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# REPTILIA

COMPILED BY

J. C. BATTERSBY (Recent) and  
W. E. SWINTON, Ph.D. (Fossil)

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## I.—TITLES

The year of publication of a title is omitted from the reference where it is the same as the volume year of the 'Record' namely 1955.

**Opinion 328.** Suppression, under the plenary powers, of the specific name *caesius* Cloquet, 1818, as published in the combination "*Coluber caesius*," for the purpose of validating the specific name "*irregularis*" Leach, 1819, as published in the combination "*Coluber irregularis*." (Class Reptilia, order Squamata). Opin. int. Comm. zool. Nom. 9 : 299-308.

**Opinion 339.** Acceptance of the name "*concolor*" Woodbury, 1929, as published in the combination "*Crotalus concolor*," as the name for the Yellow Rattlesnake of the Colorado River Basin. Opin. int. Comm. zool. Nom. 10 : 181-200.

**Opinion 365.** Suppression under the plenary powers, of the specific name "*cinereus*" Le Conte, 1852, as published in the combination "*Crotalus cinereus*," for the purpose of rendering the specific name "*atrox*" Baird & Girard, 1853, as published in the combination "*Crotalus atrox*," the oldest available name for the Western Diamond Rattlesnake. Opin. int. Comm. zool. Nom. 11 : 215-230.

**Opinion 366.** Suppression, under the plenary powers, of the specific name "*multimaculata*" Jan 1863, as published in the combination "*Crotalus lugubris* var. *multimaculata*," for the purpose of rendering the specific name "*polysticta*" Cope, 1865, as published in the combination "*Caudisoma polysticta*," the oldest available name for the Mexican Lance-headed Rattlesnake. Opin. int. Comm. zool. Nom. 11 : 231-244.

**Direction 30.** Determination of the gender to be attributed to the names of fifty-seven genera of fishes, cyclostomes, reptiles and amphibia placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936. Opin. int. Comm. zool. Nom. 1C : 287-298.

**Abdulali, H.** Extension of range of the lizard *Cnemaspis kandiana* (Kelaart). J. Bombay nat. Hist. Soc. 53 1 : 134.

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**Ahrenfeldt, R. H.** Two British anatomical studies on American reptiles (1650-1750) II. Edward Tyson : Comparative anatomy of the Timber Rattlesnake. Herpetologica 11 : 49-69.

**Allen, E. R. & Neill, W. T.** Establishment of the Texas horned toad, *Phrynosoma cornutum*, in Florida. Copeia : 63-64.

**Allen, E. R.,** see Neill, W. T.

**Allen, J. F. & Littleford, R. A.** Observations on the feeding habits and growth of immature Diamondback Terrapins. Herpetologica 11 : 77-80.

**Allen, W. B.** Some notes on reptiles. Herpetologica 11 : 228.

**Allouse, B. G.** A bibliography on the vertebrate fauna of Iraq and neighbouring countries. III. Reptiles and amphibians. Publ. Iraq nat. Hist. Mus. No. 6 : 1-23.

**Altomare, F. J.** The versatile neural crest. Mendel Bull., Spring : 19-21. [Not seen.]

(1) **Ananthanarayanan, V.** Neurosecretory cells of the reptilian brain. Curr. Sci. 24 2 : 60-61 1 fig.

(2) **Ananthanarayanan, V.** Nature and distribution of neurosecretory cells of the reptilian brain. Z. Zellforsch. 43 : 8-16. [Not seen.]

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**(Antipin, V. M.)** [A list of terrestrial vertebrates of the ridge Kara-Tau]. Bull. Soc. Nat. Moscow Biol. 60 1 : 31-38. [In Russian.]

**Atland, P. D.,** see Brace, K. C.

**Atwood, W. H.** The timber rattlesnake in Michigan. Nat. Hist. Misc. No. 139 : 1.

**(1) Auffenberg, W.** Glass lizards (*Ophisaurus*) in the Pleistocene and Pliocene of Florida. Herpetologica 11 : 133-136 1 chart.

**(2) Auffenberg, W.** The status of the fossil snake *Coluber acuminatus*. Copeia : 65-67 3 figs.

**(3) Auffenberg, W.** A reconsideration of the racer, *Coluber constrictor*, in Eastern United States. Tulane Stud. zool. 2 : 89-155 17 figs.

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**Barros, M.,** see Lope, N.

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(1) Bergman, R. A. M. *Dendrophis pictus*. Proc. Ned. Akad. Wet. Amst. 58C 2 : 206-218 10 figs.

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Palestine.—Benzien, J. (3).

Poland.—(Poznan), Berger, L.

Roumania.—Bogdan, S.—(Dobruja), Fuhn, I. E.—Knoepffler, P. & Sochurek, E.

Russia.—Antipin.—Burchak-Abramovich.—Goryainov.—Rozhdestvenski. A. K. (2).—Smith, M.—Vyushkov, B. P.—(Turkestan), Knoepffler, P. & Sochurek, E.



Sicily.—Mertens, R. (6).

S.W. Asia.—Allouse, B. G.

Caucasus.—Knoepffler, P. & Sochurek, E.

Persia.—Knoepffler, P. & Sochurek, E.

Spain.—(N.E.), Balcells, E.

Sweden.—Thollander, P.

Syria and Lebanon.—Allouse, B. G.

Turkey.—Allouse, B. G.

Tyrrhenian Sea, see under Mediterranean.

Yugo-Slavia.—(Drubovnic), Radovanovic, M. (2).

## ORIENTAL REGION

Heuvelmans, B. (2).

Mertens, R. & Wermuth, H.

Ceylon.—C. V. K.—Deraniyagala, P. E. P.—Deraniyagala P. E. P. (1).—Silva, P. H. D. H. de (1), (2).—Smith, M.

India.—Abdulali, H.—Ananthanarayanan, V. (1-2).—Bhargava, S. C.—Bird, G. W. G.—Burton, R. W.—Chacko, T. (2).—Gammie, J. A.—George, J. C. & Shah, R. V. (2).—Lahiri, R. K.—Mathur, K. M.—Prakash, I. & Dave, K. C.—Rao, M. A. (2).—Robinson, N. V. & Woodward, S. F.—Scherpner, C.—Smith, M.—Wrenicke, C. J. T.—(Bombay State), Chari, V. K.—(Madras), Chacko, P. I.

Pakistan.—(East), Mertens, R. (4).

Indo-Chinese Sub-Region.—Marx, H. & Inger, R. F.—Smith, M.—(Hong Kong), Leviton, A. E. (1).—Romer, J. D.

Malaysia.—Bergman, R. A. M. (4).—Kitchener, H. J.—Leviton, A. E. (1).—Marx, H. & Inger, R. F.—Smith, M.—Tweedie, M. W. F.—Waters, J. P. J.—(Malaya), Hooper, E. R. S.—Reid, H. A.—Rose, W. (1).—(Borneo), Harrison, T. (1), (2).—Leviton, A. E. (1).—Ruiter, L. C. de (3).—(Java), Bergman, R. A. M. (1), (2), (3).—Leviton, A. E. (1).—Ruiter, L. C. de (3).—(Komodo Island), Dunton, S. (1).—(Kuala Lumpur), Harrison, J. L.—Lim Boo-Liat.—(Penang Island), Menne, H. A. L. (1).—(Sumatra) Leviton, A. E. (1).—Ruiter, L. C. de (2).

Philippines.—Bergman, R. A. M. (4).—Leviton, A. E. (1).—Marx, H. & Inger, R. F.—Reyes, A. C. & Lamanna, C.—(Celebes), Ruiter, L. C. de (3).

## AUSTRALIAN REGION AND POLYNESIA

Heuvelmans, B. (2).

Mertens, R. & Wermuth, H.

Australia.—Barrett, C.—Holmes, A.—Kinghorn, J. R.—McCarthy, F. D.—Mackay, R. D.—Oliver, J. A. (3).—Romer, J. D.—Sporn, C. C.—(Arnhem Land), Mitchell, F. J.—(The Great Barrier Reef), McNeill, F.—(New South Wales), Hirschhorn, H. & Irvine, W.—(Queensland), Worrell, E.—(Queen Victoria Spring), Slater, P. & Lindgren, E.—(Western), Glauret, L.—(Monte Bello Islands), Hill, F. L.

New Guinea.—Barrett, C.—Mackay, R. D.

New Zealand.—McCann, C.

Tasmania.—(Furneaux Islands, Bass Strait), Mackay, R. D.

## ETHIOPIAN REGION

Heuvelmans, B. (1).

Mertens, R. & Wermuth, H.

Africa.—Blanc, F. E.—Capocaccia, L. (2).—Guibé, J. (2).—Rose, W. (3).

West Africa.—Cansdale, G.—Heck, L. (1).—(Angola), Hellmich, W. (1).—(Angola), Laurent, R. F. (2).—(Gold Coast), Lesage, M. C.—(French Guinea), (Mont Nimba area), Angel, Guibé, Lamotte & Roy.—Angel, Guibé & Lamotte.—(Sierra Leone), Lester, J. W.—(S.W. Africa), Heck, L. (2).—Mertens, R. (3).

East Africa.—(Kenya, northern frontier division), Battersby J. C.—(Kenya), Noel-Hume A. (1).—Rose W. (2).—(Mozambique), Manacas S.—(Portuguese), Frade F. & Manacas S.—(Tanganyika), Laurent R. F. (2).—(Tanganyika Territory), Mertens R. (9).—Loveridge, A. (1).—(Uganda), Pitman, C. R. S.

Central Africa.—Domergue, C. (1).—Laurent, R. F. (4).—(Congo), Laurent, R. (1).—(Lower Congo), Laurent, R. F. (2).—(Belgian Congo), Laurent, R. F. (2).—Lestrade, A.—Neujean, G.—(Kivu

*Nord, Mutsora region, Albert National Park*), Witte, G. F. de.—(*Rhodesia*), Fitzsimons, V. (2).—(*N. Rhodesia*), Cheesman, W. E.—Venning, J. H.—(*Barotseland*), Cambell, J. S.—Laurent, R. F. (2).

South Africa.—Andrew, W. K.—Bustard, R.—Fitzsimons, V. (1).—Mertens, R. (2).—Rose, W. (1).—(*Cape Province*), Pringle, J. A.—(*Zululand*), Darby, G.

Madagascar.—Dunton, S. (3).—Guibé, J. (1).—Marx, H.—Mertens, R. (2).—Veraldi, M.

## NEARCTIC REGION

Burt, C. E. & Landry, W. D.—Carmichael, E. B.—Edgren, R. A. (1).—Heuvelmans, B. (1).—Hotton, N.—Medem, F. & Marx, H.—Mertens, R. & Wermuth, H.—Neill, W. J. & Allen, E. R.—Philpot, V. B.—Smith, M.

Canada.—Logier, E. B. S. & Toner, G. C.—Shaw, C. E.—(*British Columbia*), Carl, G. C.—(*Ontario*), Judd, W. W. (*Ontario, Purpleville Project Area*), Francis, G.—(*Nova Scotia*), Bleakney, S.

Alaska.—Logier, E. B. S. & Toner, G. C.

North Eastern States.—Auffenberg, W. (3).—Shaw, C. E.—Sochurek, E. (2).—(*Connecticut*), Gardner, J. B.—Moski, H.—(*Delaware*), Barton, A. J. & Price, J. W.—(*Delaware*), Conant, R. (3).—(*Illinois*), Parmalee, P. W.—Smith, P. W. (2).—Stein, H. A.—(*White-side County*), Edgren, R. A. (2).—(*Indiana*), Smith, P. W. (2).—(*Iowa*), (*Muscatine County*), Dodge, C. & Miller, L. S.—(*Maryland*), Barton, A. J. & Price, J. W.—Littleford, R. A.—Prince, E. C., Dupstadt, P. & Lyons, D. J.—(*S. Maryland*), Cooper, J. E.—(*Michigan*), Atwood, W. H.—(*Minnesota*), Legler, J. M. (1).—(*Minnesota*), (*Minneapolis*), Breckenridge, W. J.—(*New Jersey*), Barton, A. J. & Price, J. W.—(*New York*), Barton, A. J. & Price, J. W.—(*Seneca Falls*), Stegeman, L. C.—(*Ohio*), Conant, R. (4).—Condit, J. M. & Woodruff, R. E.—Triplehorn, C. A.—(*Pennsylvania*), Barton, A. J.—Barton, A. J. & Price, J. W.—(*Philadelphia*), Conant, R. (6).—(*Wisconsin*), Edgren, R. A. & M. K. (4).

South Eastern States.—Auffenberg, W. (3).—Shaw, C. E.—Sochurek, E. (2). Zinck, K. (2).—(*Alabama*), Chermock, R. L.—Keeler, J. E.—Tinkle, D. W. & Webb, R. G.—(*Carolina*), Allen J. F. & Littleford, R. A.—(*Florida*), Allen, E. R. & Neill, W. T.—Auffenberg, W. (1).—Caldwell, Carr & Heller, (1).—Crenshaw, J. W. & Hopkins, M. L. Menne, H. A. L. (2).—Schmidt, A.—Triplehorn, C. A.—Uzzell, T. M. Jr. & Schwartz, A.—(*Polk County*), Telford, S. R. (2).—Telford, S. R. (3).—(*Georgia*), Crenshaw, J. W.—Crenshaw, J. W. & Hopkins, M. L.—Martof, B.—(*Fort Benning*), Hamilton, W. J., Jr. & Pollack, J. A.—(*Louisiana*), Fugler, C. M.—(*Bayou Tortue region, Lafayette Parish*), Liner, E. A.—(*New Orleans*), Tinkle, D. W. & Liner, E. A.—(*Mississippi*), Smith, P. W. & List, J. C.—(*Missouri*), Gloyd, H. K. (1).—Smith, P. W. (2).—(*North Carolina*), Schwartz, A. & Etheridge, R.—(*Tennessee*), Gentry, G.—(*Virginia*), Reid, G. K., Jr.—(*Central*), Telford, S. R. (1).—(*Dismal Swamp area*), Martin, J. R. & Wood, J. T.

Middle and Western States.—Glaser, R.—Shaw, C. E.—Sochurek, E. (2).—(*Arizona*), Duellman, W. E. (1).—Gates, G. O.—Gloyd, H. K. (1).—Lowe, C. H. (1).—Lowe, C. H. (5).—Lowe, C. H. & Shannon, F. A. (8).—Peterson, E. L. & Wood, S. F.—Phelan, R. L. & Battstrom, B. H.—Shannon, F. A. & Urbana, R. F.—Smith, H. M. (2).—Zweifel, R. G. & Norris, K. S.—(*Gila Bend*), Bundy, R. E., Meyer, D. & Neess, J.—(*Colorado*), Gloyd, H. K. (1).—Lowe, C. H. (5).—(*Kansas*), Clarke, R.—Fitch, H. S.—Gloyd, H. K. (1).—(*Central*), Bundy, R. E., Meyer, D. & Neess, J.—(*Montana*), Brunson, R. B.—(*Nebraska*), Gloyd, H. K. (1).—(*Nevada*), Phelan, R. L. & Brattstrom, B. H.—(*New Mexico*), Conant R. (3).—Gloyd H. K. (1).—Lawrence, J. F.—Lowe, C. H. (2), (3), (5).—Maslin, T. P. & Koster, W. J.—Phelan, R. J. & Brattstrom, B. H.—(*Chihuahua*), Bundy, R. E., Meyer, D. & Neess, J.—(*White Sands National Monument*), Smith, P. W.—(*Oklahoma*), Gloyd, H. K. (1).—(*Texas*), Bundy, R. E., Meyer, D. & Neess, J.—Conant, R. (2).—Fouquette, M. J. & Lindsay, H. L.—Gloyd, H. K. (1).—Phelan, R. L. & Brattstrom, B. H.—Pyburn, W. F.

—Ramsey, L. W.—(*El Paso*), Lawrence, J. F.—(*Utah*), Lowe, C. H. (5).—Tanner, W. W.

Pacific Coast States.—Shaw, C. E.—(*California*), Fox, W.—List, J. C.—Miller, L.—Phelan, R. L. & Brattstrom, B. H.—(*California, S.*) Cunningham, J. D. (2).—(*San Bernardino Mountains*), Cunningham, J. B. (1).—(*San Diego*), Lowe, C. H. & Norris, K. S. (7).—(*Oregon*), Ferguson, D. E.—Storm, R. M.—Storm, R. M. & Ferguson, D. E.—(*Washington*), Svihla, A.

#### CENTRAL AMERICA

Mertens, R. & Wermuth H.—Shaw, C. E.

Baja California.—Murray, K. F.

Costa Rica.—Taylor, E. H.

El Salvador.—Mertens, R. (1).

Galapagos Islands.—Eibl-Eibesfeldt, I.

Guatemala.—Haas, G. (1).—Stuart, L. C.

Mexico.—Barrio, A. (2).—Brattstrom, B. H. (3).—Chrapliwy, P. S. & Fugler, C. M.—Duellman, W. E. (2).—Duellman, W. E. & Werler, J. E.—Giral, F.—Haas, G. (1).—Horowitz, S. B.—Miller, L.—Phelan, R. L. & Brattstrom, B. H.—Smith, H. M. (2).—Smith, H. M. & Bumzahem, C. B.—Smith, H. M. & Kerster, H. W.—Zweifel, R. G. & Norris, K. S.—(*South*), Smith, H. M. & Burger, W. L.—(*Coahuila*), Thompson, F. G.—(*San Luis Potosi*), McConkey, E. H.—(*Sinaloa and Puebla*), Smith, H. M. & Van Gelder, R. G.—(*Nayarit State; [Nuevo Galicia or Territory of Tepic]*), Lewis, T. H. & Johnson, M. L.—(*Isla San Esteben; Isla Tiburon, Isla Lobos*), Lowe, C. H. & Norris, K. S. (6).—(*Revillagigedo Islands*), Brattstrom, B. H. (1).—(*Tamaulipas*), Walker, C. F. (1), (2).—(*S.W. Tamaulipas*), Martin, P. S.—(*Oaxaca*), Kerster, H. W. & Smith, H. M. (1).

West Indies (*Bahamas, Andros Island*), Richmond, N. D.—(*Bahamas (Bimini Island)*), Hecht, M. K., Walters, V. & Ramm, G.—Richmond, N. D.—(*Cuba*), Koonman, K. F. & Ruibal, R.—Smith, H. M. & Willis, E. T.—Williams, E. E. & Hecht, M. K.—(*Jamaica*), Lewis,

C. B.—(*Trinidad*), Wehekind, L.—(*Caja de Muertos near Puerto Rico*), Kerster, H. W. & Smith, H. M. (2).

#### SOUTH AMERICA

Heuvelmans, B. (1).—Schmidt, K. P. (1).—Vanzolini, P. E. (2).—(*South-eastern*), Bailey, J. R.

Amazonas.—Vanzolini, P. E. (2).

Argentina.—Bailey, J. R.—Barrio, A. (1), (3).—Barrio, A. & Vital Brazil, O.—Brazil, O. V.

Brazil.—Bailey, J. R.—Barrio, A.—Brazil, O. V.—Carvalho, A. L. de.—Hoge, A. R.—Hoge, A. R. & Mertens, R.—Mertens, R. (2), (10).—Vanzolini, P. E. (1).—(*Queimada Grande Id., Queimada Pequena Id., Ilha dos Buzios*), Mertens, R. (11).—(*Queimada Grande, island 40 miles south of Santos*), Hoge, A., Belluomini, H. & Schreiber, G.

Colombia.—Medem, F.—Niceforo Maria, H.—Schmidt, K. P. (1).

Ecuador.—Peters, J. A. (1).—Savage, J. M.

Guianas.—Vanzolini, P. E. (2).

Paraguay.—Bailey, J. R.—Gatti, C.

Venezuela.—Mondolfi, E.—Vanzolini, P. E. (2).

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Eocene.—Lavocat, R. (2).—Mook, C. C.

Mesozoic.—Colbert, L. H. (2).

Cretaceous.—Haas, G. (2).—Lavocat, R. (1).—Lavocat, R. (3), (4).—Price, L. I.—Rozhdzhevsky, A. K. (1).—Sternberg, C. M.

Jurassic.—Ellenberger, P.—Swinton, W. E. (1), (2).—Welles, S. P.

Trias.—Adam, K. D.—Brotzen, F.—Ellenberger, P.—Huene, F. F. von (1).

Permian.—Huene, F. F. von (2).—Olson, E. C. (1), (2).—Olson, E. C. & Beerbower, J. R.—Piveteau, J. (1).



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*Cotylorhynchus hancocki*, sp. nov., (p. 401), humerus and radius from Permian of Texas, **Olson, E. C. & Beerbower, J. R.**

*Caseoides*, *Cotylorhynchus* and *Angelosaurus* like forms from Flower Pot Formation (Permian) of Texas, **Olson, E. C. (1)**.

*Steppesaurus*, gen. nov. (p. 406); *S. gurveyi*, sp. nov.; maxillary from San Angelo formation, Permian, Texas, **Olson, E. C. & Beerbower, J. R.**

*Tappenosaurus*, gen. nov. (p. 409) *T. magnus*, sp. nov. Parts of skull and skeleton, San Angelo formation, Permian, Texas, **Olson, E. C. & Beerbower, J. R.**

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*Tanytropheus*, Cervical vertebra from the upper Muschelkalk from Schloss Stetten, Schlossbergs, **Adam, K. D.**

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*Sphenodon*, Proposed validating of generic name *Sphenodon* as currently accepted for *Sphaenodon* Gray 1831, **Mertens, R. (13)**.—*Sphenodon*, Check list, synonymies, locality, ranges, *punctatus punctatus*, p. *guntheri*, p. *reischeki*, **Mertens, R. & Wermuth, H.**—*Sphenodon*, On the parietal foramen, **Edringer, T.**—*S. punctata*, On endocrinology of reproduction, **Kehl, R. & Combescot, C.**—General account, **Heuvelmans, B. (1)**.

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General Account, **Colbert, E. H. (2)**.—Extinction, **Exner, R.**—Footprints in ?Trias of Basutoland, **Ellenberger, P.**

THEROPODA. *Majungasaurus*, gen. nov. (p. 259) for *Megalosaurus crenatissimus* Depéret, Cretaceous of Madagascar, **Lavocat, R. (3)**.—*Megalosaurus wetherilli*, sp. nov. [p. 595] from Kayenta Formation of Arizona. Probably not *Megalosaurus sensu stricto*, **Welles, S. P.**—*Megalosaurus* discussed critically, **Swinton, W. E. (2)**.

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## SAURIA

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Eublepharidae, Family.

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#### AGAMIDAE

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*Agama*, On the size of the parietal foramen, **Edinger, T.**—Key to species of S.W. Africa, **Mertens, R. (3).**

*Agama agama*, Notes on colour in Belgian Congo, and local names, **Lestrade, A.**—Subsp. inc., from Tanganyika T., **Mertens, R. (9).**—*A. a. agama*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte.**—*A. a. lionotus*, From Kenya (Northern Frontier Division), **Battersby, J. C.**—*A. a. mwanzae*, From Tanganyika T., **Mertens, R. (9).**

*Agama anchietae*, Figure, of S.W. Africa.—*A. a. knobeli*, Blgr. & Power, is referred to *A. atra knobeli* Blgr. & Power, **Mertens, R. (3).**

*Agama annectens*, From Kenya, (Northern Frontier Division), **Battersby, J. C.**

*Agama atra atra*; *a. knobeli*, figures, of S.W. Africa, **Mertens, R. (3).**

*Agama atricollis*, Notes on colour, Belgian Congo, and local names, **Lestrade, A.**—Of Mozambique, localities given; biology notes, **Manáças, S.**—Of S.W. Africa, **Mertens, R. (3).**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Agama bibroni*, From S. Algeria, figure, **Kolar, K.**—Of Morocco, habit notes; egg laying, **Veraldi, M.**

*Agama cyanogaster*, Of Tanganyika Territory, **Loveridge, A. (1).**

*Agama hispida aculeata*, From Angola, **Hellmich, W. (1).**—*A. h. aculeata*, Figures; *h. brachyura*, Of S.W. Africa, **Mertens, R. (3).**—*A. h. armata*, Of Mozambique, localities given; biology notes, **Manáças, S.**

*Agama mossambica mossambica*, From Tanganyika Territory, sex-variation colour note, **Loveridge, A. (1).**—Of Mozambique, localities given; biology notes, **Manáças, S.**

*Agama mutabilis*, From S. Algeria, figure, **Kolar, K.**

*Agama nupta*, From Iran, observations on pattern markings, **Schmidt, K. P. (4).**

*Agama planiceps planiceps*, Figure, of S.W. Africa, **Mertens, R. (3).**—*A. p. shacki*, Of Angola, photograph, **Hellmich, W. (1).**

*Agama rudrata*, From Iran, **Schmidt, K. P. (4).**

*Amphibolurus barbatus barbatus*, Of Arnhem Land (N.T.), Australia, **Mitchell, F. J.**—*A. caudicinctus*, From Monte Bello Islands, **Hill, F. L.**—*A. c. caudicinctus*, Of Arnhem Land, (N.T.), Australia; suggested subspecific rank of *rufescens* and *imbricatus* is not warranted, they should at present retain specific rank, **Mitchell, F. J.**—*A. maculatus*, At Queen Victoria Spring, W. Australia, **Slater, P. & Lindgren, E.**—*A. rufescens*, should retain specific rank, **Mitchell, F. J.**

*Calotes*, On the size of the parietal foramen, **Edinger, T.**—*C. versicolor*, On neurosecretory cells of the brain, **Ananthanarayanan, V.**—On abnormal venous system described, fig., **Chacko, T. (2).**—The amino-acid constitution of scales, **Menon, K. R. (1).**—Histology

and histochemistry of the thymus, **Rao, M. A. (1).**—On the involution of the thymus gland, figures, **Rao, M. A. (2).**

*Chlamydosaurus kingii*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**—General observations on habits and attitudes, photographs, **Oliver, J. A. (3).**

*Diporiphora bilineata*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Draco* Linn., 1758 male gender to be attributed, **Direction 30.**—*D. dussumieri*, Morphology of the skull, figures, **Prasad, J.**—*D. volans*, Fig. general account, **Heuvelmans, B. (1).**

*Gonocephalus doriae*, First record for Malayan territory (Ulu Trenggan, Pahang), **Tweedie, M. W. F.**

*Moloch*, On the size of the parietal foramen, **Edinger, T.**—*M. horridus*, General notes, **Barrett, C.**—Observed at Queen Victoria Spring, W. Australia, **Slater, C. & Lindgren, E.**—Notes and observations on mating and breeding in captivity; incubation period of 90–128 days, description of burrow, egg-laying, growth rate, habits, **Sporn, C. C.**

*Physignathus gilberti*, From Monte Bello Islands, **Hill, F. L.**—*P. g. gilberti*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Uromastix*, Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—*U. acanthinurus*, Feeding observations, zinnia blossoms relished by captive specimens, photographs, **Conant, R. (8).**—From S. Algeria, figure, **Kolar, K.**—Photograph, notes on captive specimen, **Nagtegaal, J. (1).**—Of Morocco, downward jump of 8 m. 50 observed, **Veraldi, M.**—*U. hardwicki*, Arrangement of the cortical cells as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—On morphology of male organs, **Chaube, S.**—On the cranial osteology, figures, **George, J. C. (1).**—The oxyphoric capacity of blood compared with four other vertebrates, **Menon, K. R. (2).**—*U. princeps*, Of Migiurtinea, Somaliland, **Scortecchi, G.**

#### AMPHISBAENIDAE

Key to genera and species of S.W. Africa, **Mertens, R. (3).**

*Amphisbaena*, Of Paraguay, vernacular names, **Gatti, C.**—*A. alba*, of Paraguay, **Gatti, C.**—Statistical study

on Brazilian examples, conclusive evidence that *alba* cannot be a subspecies of *fuliginosa*, **Vanzolini, P. E. (1).**—*A. albosingulata*; *camura*; *darwinii*, Of Paraguay, **Gatti, C.**—*A. darwini*, Of Queimada Grande Id., Brazil, **Mertens, R. (11).**—*A. imbricatus*, Should retain specific rank, **Mitchell, F. J.**—*A. ionidesii*, From Tanganyika Territory, note on embryo numbers, **Loveridge, A. (1).**—*A. lamottei*, Of Nimba reserve, French Guinea, head figd., **Angel, Guibé & Lamotte.**—*A. quadrifrons quadrifrons*, Figure, of S.W. Africa, **Mertens, R. (3).**—*A. vermicularis*, Of Paraguay, **Gatti, C.**

*Ancylocranium ionidesi*, sp. nov., type locality Kilwa, Southern Province, Tanganyika Territory, **J. E. Afr. nat. Hist. Soc. 22 5 1955**, p. 177, figures, **Loveridge, A. (1).**

*Anops kingi*, Of Paraguay, **Gatti, C.**

*Bipes biporus*, From Baja California, **Murray, K. F.**

*Lepidosternon affine*; *boulengeri*; *camerani*; *latifrontale*; Of Paraguay, **Gatti, C.**—*L. microcephalum*, Of Queimada Grande Id., Brazil, **Mertens, R. (11).**—*L. microcephalus*, On method of locomotion, muscles and rib-structure arrangement, figures, **Kaiser, P.**—*L. onychocephalum*; *strauchi*, Of Paraguay, **Gratti, C.**

*Monopeltis adercai*, Observations on the second known specimen, habitat, habits, figure, **Laurent, R. F. (4).**—*M. anchietae* (*M. leonhardi* FitzSimons is a synonym); *capensis capensis*, figure; *granti colobura*, Of S.W. Africa; *leonhardi* Fitzsimons 1943 is a synonym of *anchietae*, **Mertens, R. (3).**

*Rhineura floridana*, Male from Florida, 15 $\frac{1}{10}$  inches in total length, **Telford, S. R. (3).**

#### ANELYTROPIDAE

*Typhlosaurus lineatus*, Figure; *meyeri*; *plowesi*, Of S.W. Africa, **Mertens, R. (3).**

#### ANGUIDAE

*Abronia taeniata*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Anguis*, On the size of the parietal foramen, **Edinger, T.**—[*Anguis fragilis*] Reported in Dorset 1953, **Dalton, R. F.**—*A. fragilis*, Note, **Doderlein, L.**—

From Birkdale, Lancashire, **Ellison, N. F.**—Recorded in Dorset, **Howard, D. W.**—On endocrinology of reproduction. **Kehl, R. & Combescot, C.**—Experiments on colour-sense, **Musolff, W.**—Note on unusual deformity in young at birth, figure, **Riches, R. J.**—Of Woolwich area, England, **Rigdon, R. G.** In Czecho-Slovakia, **Štěpánek, O. (1).**—Of Germany, general notes, figures of head, **Wermuth, H., in Streseman, E.**—*A. f. fragilis*, Of the Great Poland National Park, Poznan, **Berger, L.**—In Czecho-Slovakia, **Štěpánek, O. (3).**—†*A. stammeri*, sp. nov. (p. 105) and *A. fragilis* from interglacial "fox-hole" D 229 near Siegmansbrunn, Oberfranken, **Brunner, G. (1).**

*Barisia* [*Gerrhonotus*] *imbricata planifrons*, From Santa Domingo Lachivité Oaxaca, 140 miles S.E. of the city of Oaxaca, 8000 ft.; first known locality record, type locality is here restricted to Santo Domingo Lachivité, **Kerster, H. W. & Smith, H. M. (1).**

*Celestus enneagrammus*, From La Gloria, Oaxaca, Mexico; *rozellae*, Range extended 190 to 230 air-miles west to La Gloria, N.E. of Oaxaca State, Mexico, **Smith, H. M. & Burger, W. L.**

*Elgaria multicarinata webbi*, On arboreal habits, **Cunningham, J. D. (2).**

*Gerrhonotus coeruleus*, Arrangement of the cortical cells is evidence in phylogeny, **Hebard, W. B. & Charipper, H. A. (1)**; Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2).**—*G. c. principis*, Of Montana, **Brunson, R. B.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—*G. biocephalus*, From S.W. Tamaulipas, Mexico, new State record, **Martin, P. S.**—*G. multicarinatus webbi*; *m. nanus*; *m. ignavus*, From Baja California, includes notes on subspecific differences, synonymy and description of *m. ignavus*, **Murray, K. F.**—*G. paucicarinatus*, From Baja California, **Murray, K. F.**

*Ophiodes intermedius*; *striatus*, Of Paraguay, **Gatti, C.**

*Ophisaurus*, On brain chorioid plexuses, figd., **Hilton, W. A.**—From Iran, with note on type locality, **Schmidt, K. P. (4).**—*O. apodus*, Observations in captivity, plate, **Lehmann, H.**—Notes on keeping in captivity, photograph, **Sochurek, E. (6).**—*O. attenuatus*, Of

Illinois, natural history notes, photograph, **Parmalee, P. W.**—*O. incomptus*, sp. nov., Type locality, 7 miles S. of Valles, San Luis Potosi, Mexico, near to *ventralis*, vertical neck-bars are absent, Nat. Hist. Misc. No. 145, 1955, p. 1. **McConkey, E. H.**—*O. ventralis*, On arrangement of the cortical cells as evidence in phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2).**—†*O. ventralis compressus*, From Pleistocene of Florida, *attenuatus*, from Pliocene of Florida, **Auffenburg, W.**

*Pseudopus*, On the size of the parietal foramen, **Edinger, T.**

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*Anniella*, On brain chorioid plexuses, figd., **Hilton, W. A.**—*A. pulchra pulchra*, From Baja California, **Murray, K. F.**

#### BIPEDIDAE see under AMPHISBAENIDAE

#### CHAMELEONIDAE

Of S.W. Africa, key to the 3 species, **Mertens, R. (3).**—On camouflage and colour changing, mechanism, **Stephenson, E. M. & Stewart, C.**

*Brookesia ionidesi*, From Tanganyika Territory, **Loveridge, A. (1).**

*Chamaeleo*, On the size of the parietal foramen, **Edinger, T.**

*Chamaeleo bitaeniatus ellioti*, Comparative study of hypophysis, **Herlant, M. & Pasteels, J. J.**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Chamaeleo calcarifer*, Photograph, on colour changing, **Stephenson, E. M. & Stewart, C.**

*Chamaeleo chamaeleon*, Of S. Algeria, **Kolar, K.**

*Chamaeleo dilepis*, Figure, of S.W. Africa, **Mertens, R. (3).**—From Tanganyika T., **Mertens, R. (9).**—On camouflage and aggressive defense, **Stephenson, E. M. & Stewart, C.**—*C. d. dilepis*, From Tanganyika Territory, **Loveridge, A. (1).**—Of Mozambique, localities given, **Manacas, S.**

*Chamaeleo gracilis*, Of Nimba reserve, French Guinea, **Angel, Guibé, & Lamotte.**—Of Angola, photograph, **Hellmich, W. (1).**



*Chamaeleo ituriensis*, From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.

*Chamaeleo johnstoni*, In captivity, notes on feeding and food, drinking habits, observed jumping; two photographs, Rose, W. (2).—*C. j. johnstoni*, From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.

*Chamaeleo lateralis*, Of Madagascar, Mertens, R. (2).

*Chamaeleo namaquensis*, Figure, of S.W. Africa, Mertens, R. (3).

*Chamaeleo oshaugnessyi*, Notes on specimen in captivity, Marx, H.

*Chamaeleo tavetensis*, From Tanganyika T., Mertens, R. (9).

*Chamaeleo uthmölteri*, From Tanganyika T., Mertens, R. (9).

*Chamaeleo ventralis occidentalis*, Of S.W. Africa, Mertens, R. (3).

*Chamaeleo verrucosus*, Notes on captive specimens, food included young mice, Marx, H.—Of Madagascar, Mertens, R. (2).

*Chamaeleon vulgaris*, In Morocco, arboreal habit note, Veraldi, M.

*Lophosaura pumila*, On colour changing, mechanism, Stephenson, E. M. & Stewart, C.

*Microsaura pumila*, Notes on birth process in vivarium, 11 young, Bustard, R.

*Rhampholeon spectrum boulengeri* [not *Goulengeri* as printed], From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.

#### CORDYLIDAE

Of S.W. Africa, key to genera and species, Mertens, R. (3).

*Cordylus*, Of S.W. Africa, key to the following species; *campbelli*; *cordylus angolensis*; *c. pustulatus*; *namaquensis*; *polyzonus polyzonus*; *p. jordani*, figure; Mertens, R. (3).—*C. cordylus niger*, Observations on birth, 2 young, Bustard, Q.—*C. c. tropidosternum*, From Tanganyika Territory, egg number note, Loveridge, A. (1).

*Platysaurus capensis*, Of S.W. Africa, Mertens, R. (3).—*P. guttatus guttatus*, First record for Mozambique, Namaacha, figure, Manaças, S.

*Zonurus giganteus*, On enlarged thyroids, Schlumberger, H. G.—*Z. pustulatus* Peters is a subspecies of *Cordylus cordylus*, Mertens, R. (3).

#### DIBAMIDAE

On Histological evidence in the cortical cell arrangement of saurian phylogeny, Hebard, W. B. & Charipper, H. A. (1).

*Dibamus novaeguineae*, On arrangement of the cortical cells as evidence of phylogeny, Hebard, W. B. & Charipper, H. A. (1).

#### EUBLEPHARIDAE

On the classification and evolution: genera and species examined:—

*Aeluroscalabotes felinus*.

*Coleonyx variegatus*.

*Eublepharis hardwickii*.

*Hemitheconyx caudicinctus*.

*Holodactylus africanus*.

Underwood, G. (1).

#### GECKONIDAE

On the classification and evolution; proposed classification:—

Gekkonoidea, Super family.

Eublepharidae Family; [see under Eublepharidae].

Sphaerodactylidae, Family nov. [p. 476].

*Coleodactylus*.

*Gonatodes*: *fuscus*, *humeralis*, *vitatus*.

*Lepidoblepharus*: *sanctaemartae*, *xanthostigma*.

*Pseudogonatodes*: *barbouri*.

*Sphaerodactylus*: *argus*, *goniorhynchus*; *parkeri*.

Gekkonidae, Family.

Diplodactylinae, subfamily nov. [p. 477].

*Aristelliger*: *expectatus*, lar; *p. praesignis*.

*Bavaya*: *cyclura crassicollis*, *savagai*.

*Carphodactylus*: *laevis*.

*Chondrodactylus*: *angulifer*.

*Colopus*: *wahlbergi*.

- Diplodactylus*: 10 species.  
*Gymnodactylus*: *antillensis*, *amarali*; *conspicuus*, *geckoides*.  
*Hoplodactylus*: *maculatus*, *pacificus*.  
*Lucasius*: *damaeus*.  
*Naultinus*: *elegans*.  
*Nephrurus*: *asper*, *laevis*.  
*Oedura*: *lesueuri*, *marmorata*, *rhombifer*.  
*Palmatogecko*: *rangei*.  
*Phelsuma*: *cepedianum*, *dubius*, *guentheri*.  
*Phyllurus*: *cornutus*, *mili*, *platurus*, *vankampeni*.  
*Ptenopus*: *garrulus*.  
*Rhacodactylus*: *trachyrhynchus*.  
*Rhoptropella*: *ocellata*.  
*Rhothropus*: *afer*, *barnardi*, *boultoni*, *bradfieldi*.  
*Rhynchoedura*: *ornata*.  
*Saurodactylus*: *fasciatus*, *mauritanicus*.  
*Teratoscincus*: *sincus*.  
 Gekkoninae, Subfamily.  
*Afroedura*: *karroica*, *p. pondolica*, *tembulica*, *transvaalica*, *platyceps*.  
*Agamura*: *cruralis*.  
*Ailuronyx*: *seychellensis*.  
*Alsophylax*: *blanfordii*, *microtus*.  
*Blaesodactylus*: *boivini*.  
*Bogertia*: *lutzae*.  
*Calodactylus*: *aureus*.  
*Crossobamon*: *evermanni*, *pipiens*.  
*Cyrtodactylus*: 40 species.  
*Ebenavia*: *inungius*.  
*Eurydactylus*: *viellardi*, *symmetricus*.  
*Geckolepis*: *maculatus*.  
*Geckonia*: *chazaliae*.  
*Gehyra*: *baliola*, *beebei*, *insulanus*, *interstitialis*, *mutilata*, *oceanica*, *variegatus*, *vorax*.  
*Gekko*: *chinensis*.  
*Hemidactylus*: 27 species.  
*Hemiphyllodactylus*: *insularis*.  
*Heteronota*: *binoei*.  
*Homopholis*: *fasciata*, *wahlbergi*.  
*Lepidodactylus*: *divergens*.  
*Luperosaurus*: *jolcensis*.  
*Lygodactylus*: *angularis*.  
*Narudasia*: *festiva*.  
*Pachydactylus*: *boulengeri*; *p. punctatus*, *tetensis*, *weberi-acuminatus*.  
*Paragehyra*: *petiti*.  
*Phyllopezus*: *goyazensis*.  
*Phyllodactylus*: 30 species.  
*Platyurus*: *platyurus*.  
*Pseudogekko*: *comprescicorpus*.  
*Pseudothecadactylus*: *australis*.  
*Ptychozoon*: *kuhli*.  
*Ptyodactylus*: *hasselequisti*.  
*Stenodactylus*: *petrii*.  
*Tarentola*: *americana*, *mauritanica*.  
*Thecadactylus*: *rapicauda*.  
*Tropicolotes*: *tripolitanus*.  
*Uroplates*: *ebenavi*, *fimbriatus*.  
*Wallsaurus*: *horridus*.

The following are unplaced at present for lack of material.

*Briba*, *Ceramodactylus*, *Dravidogekko*, *Homonota*, *Perochirus*.

The following require further study before being placed: at present classed as Gekkonidae incertae sedis.

*Ancylodactylus*, *Cnemaspis*, *Pristurus*, *Quedenfeldtia*. Proc. Zool. Soc. 124, (3), 1954, Underwood, G. (1).—Reflection and alterations on some proposals in the classification, Underwood, G. (2).—On histological evidence of saurian phylogeny, Hebard, W. B. & Charipper, H. A. (1).—General notes; on voice; photographs of eye, opened and shut. Oliver, J. A. (2).—Of New Zealand, systematics, keys, habits, etc., McCann, C.—Diplodactylinae: 6 Australian, 3 New Caledonian, 2 New Zealand genera form a well-defined tribe with this subfamily on osteological grounds, Underwood, G. (2).—Key to genera and species of S.W. Africa, Mertens, R. (3).

*Aeluroscalabates*, Osteological study confirms position in the Eublepharidae, Underwood, G. (2).

*Afroedura africana*, Figure, of S.W. Africa, Mertens, R. (3).

*Alsophylax laevis*, On morphology and distribution in Uzbekistan, Bogdanov, O. P.—*A. tuberculatus*, From Iran, Schmidt, K. P. (4).

*Ancylodactylus*, Related to *Cyrtodactylus* through osteology and squamation and allocated to the Gekkoninae, Underwood, G. (2).

*Blaesodactylus boivini*, Of Madagascar, photograph, Mertens, R. (2).

*Briba*, Allocated to the Gekkoninae on pupil shape, Underwood, G. (2).

*Ceramodactylus*, Allocated to the Gekkoninae on pupil shape, Underwood, G. (2).—*C. affinis*, From Iran, Schmidt, K. P. (4).

*Chondrodactylus angulifer*, Figures of S.W. Africa, Mertens, R. (3).

*Cnemaspis*, Related to *Cyrtodactylus* through osteology and squamation and allocated to the Gekkoninae, Underwood, G. (2).—Key to species, *kohleri*, *occidentalis*, *africanus*, *quattorseriatus*, *dickersoni*, Angel, Guibé & Lamotte.—*C. kandiana*, Range extended northwards, 4 specimens collected at Yellapur, N. Kanara and Mahableshwar (4500 ft.), Abdulali, H.—*C. kendalli*, Of New Zealand, McCann, C.—*C. occidentalis*, Of Nimba reserve, French Guinea, Angel, Guibé & Lamotte.—*C. quattorseriatus*, From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.

*Coleonyx brevis*, First record of state Chihuahua, Mexico, Chrapliwy, P. S. & Fugler, C. M.—From Coahuila, Mexico, Thompson, F. G.—*C. variegatus peninsularis*, From Baja California, Murray, K. F.

*Colopus wahlbergii*, Of S.W. Africa, Mertens, R. (3).

*Cyrtodactylus*, On classification and evolution, on pupil form, 40 species examined, Underwood, G. (1).—Appear to be related on osteology and squamation and all are allocated to the Gekkoninae, Underwood, G. (2).

*Diplodactylus*, On classification and evolution, on pupil form, 11 species examined, Underwood, G. (1).—*D. strophurus strophurus*; *s. ciliaris*; *s. intermedius*; *s. aberrans*; *s. spinigerus*, Of Arnheim Land, (N.T.), Australia, Mitchell, F. J.

*Dravidogekko*, Allocated to the Gekkoninae on pupil shape, Underwood, G. (2).

*Eurydactylus viellardi*, Additional material denotes this as belonging to the Diplodactylinae, Underwood, G. (2).

*Geckolepis t. typica*, Of Madagascar, Mertens, R. (2).

*Gehyra mutilata*, Of New Zealand, figs; *oceanica*, Of New Zealand, figs., McCann, C.—*G. variegata australia*, Of Arnheim Land, (N.T.), Australia, mental and chinshields figured and compared with *v. punctata* and *v. variegata*, Mitchell, F. J.

*Gekko gekko azhari*, subsp. nov., Type locality, Barkal, Chittagong Hill Tracts, E. Pakistan, Senckenbergiana, Biol. 36, 1-2, 1955, p. 22, 2 figs., Mertens, R. (4).

*Gonatodes*, Of Guianas and Amazonas, *humeralis*, *annularis*, *beebei*, *booni*, *vittatus*, species discussed; *albobularis*, described and figured;—*caudiscutatus*, see under *concinatus*;—*concinatus* (specimens previously reported as *caudiscutatus*), described and figured, identification discussed, Vanzolini, P. E. (2).—*Gonatodes fuscus*, On arrangement of the cortical cells as evidence of phylogeny, Hebard, W. B. & Charipper, H. A. (1).—Study of adrenal gland, Hebard, W. B. & Charipper, H. A. (2).—*G. helgae*, Endocrinology in reproduction, Kehl, R. & Combescot, C.—*G. varius* (Dum. 1856) redescribed and figured and now placed in genus *Gonatodes*, Vanzolini, P. E. (2).

*Gymnodactylus*, On classification and evolution, on pupil form, 4 species examined:—*horridus*, is referred to the new genus *Wallsaurus*, Underwood, G. (1).—*G. milii*, Of W. Australia, Glauert, L.—*G. scaber*, From Iran, Schmidt, K. P. (4).—*G. varius*—see *Gonatodes varius*.

*Hemidactylus brooki*, On neurosecretory cells of the brain, Ananthanarayanan, V.—*H. b. angulatus*, Of Nimba reserve, French Guinea, Angel, Guibé, & Lamotte.



*Hemidactylus fasciatus fasciatus*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte**.

*Hemidactylus flaviviridis*, From Iran, **Schmidt, K. P. (4)**.

*Hemidactylus frenatus*, Of Arnhem Land (N.T.), Australia, **Mitchell, F. J.**

*Hemidactylus gardineri*, Of Madagascar, **Mertens, R. (2)**.—From Dar-es-Salaam, **Mertens, R. (9)**.

*Hemidactylus garnoti*, Of New Zealand, figs., **McCann, C.**

*Hemidactylus longicephalus*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte**.

*Hemidactylus mabouia*, From Angola, **Hellmich, W. (1)**.—Of Tanganyika Territory, **Loveridge, A. (1)**.—Of Mozambique, localities given, biology notes, **Manaças, S.**—Of Madagascar, **Mertens, R. (2)**.—Of S.W. Africa, **Mertens, R. (3)**.—From Tanganyika T., **Mertens, R. (9)**.—Of Queimada Pequena and Grande Id., Brazil, **Mertens, R. (11)**.—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de**.

*Hemidactylus mercatorius*, Of Tanganyika Territory, **Loveridge, A. (1)**.

*Hemidactylus muriceus*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte**.

*Hemidactylus turcicus*, On arrangement of the cortical cells as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (1)**.—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2)**.—Of Malta, **Lanfranco, G. G.**—Experiments on colour sense, **Musolff, W.**—From Iran, **Schmidt, K. P. (4)**.—*H. t. turcicus*, Colonies reported in Texas (Brownsville), **Conant, R. (2)**.—Of Elba, **Mertens, R. (7)**.—*H. tur[c]icus*, Of N. Sardinia, **Sochurek, E. (5)**.—*H. turcicus turcicus* [not *turcidus* as printed], Biology of Spanish fauna, **Balcells, E.**

*Heteronota binoei*, Of W. Australia, **Glauert, L.**—From Monte Bello Islands, **Hill, F. L.**—Of Arnhem Land (N.T.), Australia, **Mitchell, F. J.**

*Heteropholis*, Of New Zealand, keys, *rudis*, figs.; *tuberculatus*, **sp. nov.** (p. 61) type locality, Westland, S. Island; *manukanus*, **sp. nov.** (p. 59, figs) type locality, Marlborough Sounds, in Manuka scrub; *gemmeus*, **sp. nov.** (p. 63, figs.)

type locality Rangiora, Cashmere, Kaituna; *stellatus*, figs; *nebulosus* **sp. nov.** (p. 69, figs.), type locality Cundy Id., off Stewart Id., Dom. Mus. Bull. No. 17, 1955, **McCann, C.**

*Homonota*, Allocated to the Gekkoniinae on pupil shape, **Underwood, G. (2)**.

*Hoplodactylus*, Key to New Zealand species;—*duvauceli*, figs.; *granulatus*, figs.; *maculatus* Gray should be treated as a nomen nudum and *H. maculatus* Boulenger is relegated to synonymy of *H. pacificus* (Gray); *pacificus*, Of New Zealand, figs., **McCann, C.**

*Lepidodactylus lugubris*, Of New Zealand, figs., **McCann, C.**

*Lucasius damaeus*, Of W. Australia, **Glauert, L.**

*Lygodactylus angolensis*, From Angola, **Hellmich, W. (1)**.—*L. capensis*, Figure, on variations; of S.W. Africa, **Mertens, R. (3)**.—*L. c. capensis*, The forebrain cell masses, **Andrew, W. K.**—Of Mozambique, localities given, biology notes, **Manaças, S.**—*L. grotei grotei*, *picturatus picturatus*, Of Tanganyika Territory, **Loveridge, A. (1)**.—*L. lawrencei*, Of S.W. Africa, now revived as distinct species from subspecies of *picturatus*, **Mertens, R. (3)**.—*L. picturatus picturatus*, From Somali and Tanganyika T., **Mertens, R. (9)**.—*L. p. gutturalis*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*L. somalicus*, From the Northern Frontier Division, Kenya, note on mental sutures, **Battersby, J. C.**

*N. rudzsia*, Add Gekko-type pupil to genus definition, **Underwood, G. (1)**.

*Nautilinus elegans*, forma *e. elegans*, *punctatus*, *sulphureus*, *ocellatus*, Of New Zealand, figs.; *sylvestris* Buller, Removed from synonymy of *N. elegans* to *Hoplodactylus granulatus*, **McCann, C.**

*Nephruros*, Key to W. Australian species, *asper*, *luevis*, *wheeleri*, descriptions, **Glauert, L.**

*Oedura*, W. Australian species keyed, *marmorata*, *rhombifera*, *robusta*, **Glauert, L.**—*O. marmorata*; *rhombifera*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Oedurella taeniata*, Of W. Australia, **Glauert, L.**

*Pachydactylus*, species of S.W. Africa keyed, **Mertens, R. (3)**.

*Pachydactylus bibronii pulitzeriae*, Of Angola, **Hellmich, W. (1).**—*P. b. pulitzeriae*, Of S.W. Africa; *b. turneri*, figure, of S.W. Africa, on some variations, **Mertens, R. (3).**—*P. b. turneri*, Of Tanganyika Territory, **Loveridge, A. (1).**—Of Mozambique, localities given; biology notes, **Mananças, S.**

*Pachydactylus bicolor*, Figures, of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus capensis capensis*, Figure, of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus fasciatus*, Of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus kobosensis*, From Kobos Farm, Rehoboth, S.W. Africa, **Mertens, R. (3).**

*Pachydactylus laevigatus laevigatus*, Figure, of S.W. Africa, some variations; *l. fitzsimonsi*, of Damaraland [*P. l. tessellatus* FitzSimons 1938 nec Werner referred to this subspecies], **Mertens, R. (3).**

*Pachydactylus mariguensis latirostris*, Of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus namaquensis*, Of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus punctatus punctatus*, From Angola, **Hellmich, W. (1).**—*P. p. punctatus*, Figure, on some variations; *p. amoenoides*, some variations; *p. scherzi*, figure, on variations, all of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus purcelli*, Of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus rugosus*, Figure, of S.W. Africa, variations, **Mertens, R. (3).**

*Pachydactylus scutatus scutatus*, Figure; *s. robertsi*, of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus serval*, Of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus tetensis*, Of Tanganyika Territory, **Loveridge, A. (1).**

*Pachydactylus weberi acuminatus*, Figure, on variations, of S.W. Africa, **Mertens, R. (3).**

*Pachydactylus werneri*, Figure, of S.W. Africa, revived as species from subspecies of *weberi*, **Mertens, R. (3).**

*Palmatogecko rangei*, Figures, of S.W. Africa, **Mertens, R. (3).**

*Perochirus*, Allocated to the Gekkoninae on pupil shape, **Underwood, G. (2).**

*Peropus*, W. Australian subspecies keyed, *variegatus variegatus*, v. *australis*, v. *punctatus*, **Glauert, L.**—*P. variegatus*, From Monte Bello Islands, **Hill, F. L.**

*Phelsuma bimaculata*, Of Madagascar, **Mertens, R. (2).**—*P. dubia dubia*, Of Tanganyika Territory, **Loveridge, A. (1).**—*P. lineata*; *m. madagascariensis*; *mutabilis*, of Madagascar, **Mertens, R. (2).**

*Phyllodactylus*, Doubtful inhabitant of Malta and islands, **Lanfranco, G. G.**—On classification and evolution, on pupil form, 30 species and subspecies examined, **Underwood, G. (1).**—W. Australian species keyed, *marmoratus*, *ocellatus*, **Glauert, L.**—*P. bastardi*; *pictus*, Of Madagascar, **Mertens, R. (2).**—*P. eduardofischeri* Mertens, 1952, additional remarks, **Mertens, R. (1).**—*P. elisae*, From Iran, **Schmidt, K. P. (4).**—*P. europaeus*, Of Elba, **Mertens, R. (7).**—Of N. Sardinia, **Sochurek, E. (5).**—*P. homolepidurus*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*P. lanci*, From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—*P. lineatus lineatus*, of S.W. Africa, **Mertens, R. (3).**—*P. magnus*, Range extended S. about 100 mls., to Socunusco, Chiapas, Mexico, **Smith, H. M. & Burger, W. L.**—*P. muralis*, From N.W. Totolapam, Mexico, 4350 ft., **Chrapliwy, P. S. & Fugler, C. M.**—*P. tuberculosus*; *unctus*, From Baja California, **Murray, K. F.**—*P. wirshingi*, sp. nov., type locality:—Caja de Muertos, Puerto Rico, W. Indies, *Herpetologica* 11, 1955, p. 229, plate, **Kerster, H. W. & Smith, H. M. (2).**

*Phyllurus*, On classification and evolution, on pupil form, 4 species examined, **Underwood, G. (1).**

*Pristurus*, Related to *Cyrtodactylus* through osteology and squamation and allocated to the Gekkoninae, **Underwood, G. (2).**—*P. rupestris iranicus*, From Iran, **Schmidt, K. P. (4).**

*Ptenopus garrulus maculatus*, Figures, of S.W. Africa, **Mertens, R. (3).**

*Ptychozoon kuhli*, Notes on eggs; suggested laying season in Pahang is November and December, observed

hatching periods 67, 68, 73 days, plus; observation on gliding, figures of eggs and specimen, **Tweedie, M. W. F.**

*Ptyodactylus hasselquisti*, From Iran, **Schmidt, K. P. (4).**

*Quedenfeldtia*, Add, pupil nearly round to definition of genus, **Underwood, G. (1).**—Placed in the *Diplodactylinae* on osteological grounds, **Underwood, G. (2).**—*Q. festiva*, Of S.W. Africa, **Mertens, R. (3).**

*Rhoptropus*, Key to S.W. African species; *R. afer*, figures; *barnardi*, figures; *boultoni boultoni*, figures; *bradfieldi*, figures, of S.W. Africa, **Mertens, R. (3).**—*R. boultoni benguellensis*, Of Angola, **Hellmich, W. (1).**

*Rhynchoedura ornata*, Of W. Australia, **Glauert, L.**—Additional material denotes this as belonging to the *Gekkoninae*, **Underwood, G. (2).**

*Sphaerodactylus cinereus*, Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2).**—On arrangement of the cortical cells as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—*S. p. frimeri*, Description re-printed, plate, **Miranda Ribeiro, A. de.**

*Tarentola americana*, Cave-fossil remains from Camaguey, Cuba, **Koopman, K. F. & Ruibal, R.**—*T. mauretania*, Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2);** On arrangement of the cortical cells, as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (2).**—Of Malta, **Lanfranco, G. G.**—Experiments on colour-sense, **Musolf, W.**—*T. m. mauritanica*, On biology of Spanish forms, **Balcells, E.**—Of Elba, **Mertens, R. (7).**—Of N. Sardinia, **Sochurek, E. (5).**—In Morocco, arboreal habit note, **Veraldi, M.**

*Wallsaurus*, gen.-nov. for *Gymnodactylus horridus* **Burm.**, Central S. America, **P.Z.S., 124, 1954, p. 475, Underwood, G. (1).**

#### GERRHOSAURIDAE

Of S.W. Africa, key to the following genera, *Cordylusaurus*, *Gerrhosaurus*, **Mertens, R. (3).**

*Angolosaurus skoogi*, Photographs, observations on burrowing, **Fitzsimons, V. (1).**

*Cordylusaurus subtesselatus*, Of S. Africa, **Mertens, R. (2).**—*C. subtesselatus*, Figure, of S.W. Africa, variation, habits, synonymy includes *Gerrhosaurus subtesselatus* **A. Smith**, *C. trivittatus trivittatus* **Fitzsimons**, *C. t. australis* **Fitzsimons**; *trivittatus trivittatus*; *t. australis* **Fitzsimons** are in synonymy of *C. subtesselatus*, **Mertens, R. (3).**

*Gerrhosaurus*, Of S.W. Africa, key to these species; *auritus* (reinstated as distinct species from *nigrolineatus auritus*); *nigrolineatus nigrolineatus* figure; *validus maltzahni*, **Mertens, R. (3).**—*G. flavigularis flavigularis*, Of Mozambique, **Manhiça, Manaças, S.**—*G. major grandis*; *nigrolineatus nigrolineatus*, From Tanganyika Territory, **Loveridge, A. (1).**—*G. nigrolineatus*, On colour changes, and local names, **Belgian Congo, Lestrade, A.**—*G. n. nigrolineatus*, From W. Africa, **Hellmich, W. (1).**—*G. subtesselatus* **A. Smith** 1844 is now *Cordylusaurus*, **Mertens, R. (3).**—*G. validus validus*, Of Mozambique, **Namaacha, Manaças, S.**—*G. v. maltzahni*, From Angola, **Hellmich, W. (1).**

*Tetradactylus fitzsimonsi simplex*, New from Tanganyika Territory, note on egg sizes, **Loveridge, A. (1).**

*Tracheloptychus madagascariensis*, Photograph, of Madagascar, **Mertens, R. (2).**

*Zonosaurus karsteni*, Of Madagascar, **Mertens, R. (2).**

#### HELODERMIDAE

Histological evidence of saurian phylogeny in the arrangement of the cortical cells, **Hebard, W. B. & Charipper, H. A. (1).**

*Heloderma horridum*, From Costa Rica village, Sinaloa, Mexico, **Smith, H. M. & Van Gelder, R. G.**—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*H. suspectum*, Arrangement of the cortical cells as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—Technique for obtaining venom, **Brown, W. H. & Lowe, C. H.**

#### IGUANIDAE

Histological evidence of saurian phylogeny in cortical cell arrangement, **Hebard, W. B. & Charipper, H. A. (1).**—A survey of adaptive relationships of dentition to diet, **Hotton, N.**—Note on



some of the genera and their recognition: *Petrosaurus*, *Streptosaurus*, *Urosaurus*. *Uta*, Lowe, C. H. (1).

*Amblyrhynchus cristatus*, On the natural history, territorial behaviour, photographs, 1 coloured, Eibl-Eibesfeldt, I.—On territory and individual space, photograph, Guibé, J. & Saint-Girons, H.

*Anolis*, On the size of the parietal foramen, Edinger, T.—On some Mexico records, Smith, H. M. & Kerster, H. W.—On colour changing, Stephenson, E. M. & Stewart, C.—Review of Guatemalan species; *biporcatus*; *capito*; *cobanensis*; *crassulus crassulus*; *c. haguei*; *cupreus*; *dollfusianus*; *humilis uniformis*; *laevis ventris*; *lemurinus lemurinus*; *l. bourgaei*; *limifrons rodriguezi*; *nannodes*; *pentaprion* (*lecken* is a synonym); *petersi*; *sagrei sagrei*; *sericeus sericeus* (*heliactin* is a synonym); *s. wellbornae*; *tropidonotus* (*metallicus* is a synonym); *ustus*; *bouvieri* (status incertus); *salvini* (status incertus); the following are considered synonyms:—*beckeri* = *pentaprion*; *heliactin* = *sericeus*; *metallicus* = *tropidonotus*, Stuart, L. C.

*Anolis argenteolus*, Description of semitransparent 'window' in lower eyelid, figure, Williams, E. E. & Hecht, M. K.

*Anolis biporcatus*, From Mexico (2 locality Mexico record), Smith, H. M. & Kerster, H. W.

*Anolis capito*, From Mexico, Smith, H. M. & Kerster, H. W.

*Anolis carolinensis*, On sensory endings in striated muscle, Cole, W. V. (1)—*A. carolinensis*, On seasonal changes in the gross organ composition, Dessauer, H. C. (1); Effect of season on appetite and food consumption, Dessauer, H. C. (2).—On territory and individual space, photograph, Guibé, J. & Saint-Girons, H.—Arrangement of the cortical cells as evidence in phylogeny, Hebard, W. B. & Charipper, H. A. (1).—Study of adrenal gland, Hebard, W. B. & Charipper, H. A. (2).—The influence of the spinal cord in tail regeneration, figures, Kamrin, R. P. & Singer, M.—Endocrinology of reproduction, Kehl, R. & Combescot, C.—Of Florida, Menne, H. A. L. (2).—Experiments on colour-sense, Musolff, W.—

On thiourea administration response, Schlumberger, H. G.—From Mississippi, Smith, P. W. & List, J. C.—*A. c. carolinensis*, Of Bayou Tortue region, Lafayette Parish, Louisiana, Liner, E. A.

*Anolis chrysolepis*, Of Paraguay, Gatti, C.

*Anolis compressicauda*, sp. nov., type locality near La Gloria, Oaxaca, Mexico, Herpetologica 11, 1955, p. 193, head and scales figured, Smith, H. M. & Kerster, H. W.

*Anolis crassulus*, First report from Mexico, Smith, H. M. & Kerster, H. W.

*Anolis dollfusianus*, First record from Mexico, Smith, H. M. & Kerster, H. W.

*Anolis equestris*, Cave-fossil remains from Camaguey, Cuba, Koopman, K. F. & Ruibal, R.

*Anolis forbesi*, sp. nov., type locality: 5 miles E. of Izúcar de Matamoros, Puebla, Mexico, Herpetologica 11, 1955, p. 147, Smith, H. M. & Van Gelder, R. G.

*Anolis haguei*, From Mexico, Smith, H. M. & Kerster, H. W.

*Anolis heteropholidotus*, Mertens, 1952, additional remarks, Mertens, R. (1).

*Anolis laevis ventris*, From Mexico (first record for state of Chiapas), Smith, H. M. & Kerster, H. W.

*Anolis lemurinus lemurinus*, From Mexico, Smith, H. M. & Kerster, H. W.

*Anolis lucius*, Cave-fossil remains from Camaguey, Cuba, Koopman, K. F. & Ruibal, R.—Description of semitransparent 'window' in lower eyelid, figure, Williams, E. E. & Hecht, M. K.—Intraspecific variation in compression of tail, Smith, H. M. & Willis, E. T.

*Anolis milleri*, From Mexico, Smith, H. M. & Kerster, H. W.

*Anolis nebuloides*, From Oaxaca, Mexico, Chrapliwy, P. S. & Fugler, C. M.—From Sonora, Mexico, Zweifel, R. G. & Norris, K. S.

*Anolis nebulosus*, From Nayarit state, W. Mexico, Lewis, T. H. & Johnson, M. L.

*Anolis pentaprion*, From Mexico, Smith, H. M. & Kerster, H. W.

*Anolis petersi*, From Mexico, Smith, H. M. & Kerster, H. W.

*Anolis sallaei wellbornae*, From Mexico, **Smith, H. M. & Kerster, H. W.**

*Anolis tropidonotus*, From Oaxaca, Mexico, **Chrapliwy, P. S. & Fugler, C. M.**

*Callisaurus draconoides draconoides*; *d. carmenensis*; *d. splendidus*; *d. gabbi*; *d. crinitus*, From Baja California, **Murray, K. F.**—*C. d. bogerti*, From Costa Rica Village, Sinaloa, Mexico, range extended 100 miles N., **Smith, H. M. & Gelder, R. G.**—*C. d. ventralis*, Of Arizona, **Duellman, W. E. (1)**.—On diet and relationship of diet and dentition, **Hotton, N.**—*C. d. ventralis*; *d. brevipes*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Chalarodon madagascariensis*, **Mertens, R. (2)**.

*Conolophus subcristatus*, On the parietal organ, **Berg, G. v. d.**

*Crotaphytus*, On brain chorioid plexuses, figd., **Hilton, W. A.**—*C. collaris*, From N.W. Texas, some variation notes, **Fouquette, M. J. & Lindsay, H. L.**—*C. c. collaris*, On sensory endings in striated muscle, **Cole, W. V. (1)**.—*C. c. collaris*; *c. baileyi*, On diet and relationship of diet and dentition, **Hotton, N.**—*C. c. baileyi*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—From Baja California, **Murray, K. F.**—*C. wislizeni wislizeni*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—From Baja California, includes some habit notes, **Murray, K. F.**

*Ctenosaura hemilopha*, From Baja California, **Murray, K. F.**—*C. hemilopha*, From Puebla, Mexico, **Smith, H. M. & Van Gelder, R. G.**—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*C. h. conspicuosa*, First record from Isla Lobos, Sonora, Mexico (probably transported by man or birds), **Lowe, C. H. & Norris, K. S. (6)**.—From San Esteban Id., Sonora, Mexico (*conspicua* is here regarded as a subspecies), an opinion that four should be recognised; *h. hemilopha*, Sonora (including San Pedro Nolasco Id.), N. Sinaloa, and S.W. Chihuahua, Mexico; *h. conspicuosa*, San Esteban Id., Sonora, Mexico; *h. insulana* Cerralvo Id., Baja California Mexico; *h. interrupta*, S. Baja California (peninsula), Mexico, **Lowe, C. H. & Norris, K. S. (6)**.—*C. pectinata*, From

Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—From Costa Rica Village, Sinaloa, Mexico, range extended 100 miles N., **Smith, H. M. & Van Gelder, R. G.**—*C. similis*, On diet and relationship of diet and dentition, **Hotton, N.**—Obtained in banana shipments, photograph, **Oliver, J. A. (4)**.

*Dipsosaurus dorsalis dorsalis*, On diet and relationship of diet and dentition, **Hotton, N.**—*D. d. dorsalis*; *d. lucasensis*, From Baja California, includes some habit notes, **Murray, K. F.**

*Gambelia wislizenii*, On diet and relationship of diet and dentition, **Hotton, N.**—*G. v. wislizenii*, Notes on captive specimens, photograph, **Reijst, A. T.**

*Holbrookia m. maculata*, On mating combat behaviour in Texas, **Bundy, R. E., Meyer, D., & Neess, J.**—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*H. m. ruthveni*, Pallid populations of White Sands National Monument, New Mexico, **Smith, P. W. (1)**.—*H. m. thermophila*, From Arizona, **Duellman, W. E. (1)**.—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*H. texana*, On diet and relationship of diet and dentition, **Hotton, N.**—*H. t. texana*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*H. t. scitula*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—Of Arizona, range extended west to Mojave County, **Duellman, W. E. (1)**.

*Hoplurus*, On the size of the parietal foramen, **Edinger, J.**

*Iguana iguana*, In captivity, **White, M. E.**—*I. iguana iguana*, Figure of head; *i. rhinolopha*, Notes on captivity, **Wijffels, L.**—*I. iguana*; *rhinolopha*, On the size of the parietal foramen, **Edinger, T.**—*I. iguana rhinolopha*, Sight record of Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—From Costa Rica Village, Sinaloa, Mexico, range extended 100 miles N., **Smith, H. M. & Van Gelder, R. G.**

*Laemancus serratus*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Leiocephalus* sp., Cave-fossil remains from Camaguey, Cuba, **Koopman, K. F. & Ruibal, R.**

*Leiodera*, On the size of the parietal foramen, **Edinger, T.**

*Oplurus grandidieri*; *quadrimaculatus*; *fierinensis*; *cyclurus*, All photographed, notes; from Madagascar, **Mertens, R.** (2).

*Petrosaurus*, Note on relationships, **Lowe, C. H.** (1).—*P. repens*; *thallasinus*, From Baja California, **Murray, K. F.**

*Phrynosoma* **Wieg.**, 1828, neuter gender to be attributed, **Direction 30.**—On the size of the parietal foramen, **Edinger, T.**—On brain chorioid plexuses, figd., **Hilton, W. A.**—Notes on broods, hatching times, food, blood ejection, colour change, photographs, **Shaw, C. E.**—On colour changing, **Stephenson, E. M. & Stewart, C.**

*Phrynosoma cornutum*, On establishment in Florida, localities given, **Allen, E. R. & Neill, W. T.**—On acclimatization on the French Riviera, **Beck, P.**—From Coahuila state, Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—Of Arizona, **Duellman, W. E.** (1).—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Arrangement of the cortical cells as evidence in phylogeny, **Hebard, W. B. & Charipper, H. A.** (1).—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A.** (2).—On diet and relationship of diet and dentition, **Hotton, N.**—Endocrinology of reproduction, **Kehl, R. & Combescot, C.**

*Phrynosoma coronatum schmidti, s. jamesi*, From Baja California, notes on evidence of intergradation, **Murray, K. F.**

*Phrynosoma douglassi douglassi*; *d. brevirostre*, Ranges in Canada, maps, **Logier, E. B. S. & Toner, G. C.**—*P. d. hernandesii*, Of Arizona, **Duellman, W. E.** (1).—*P. d. ornatissimum*, On diet and relationship of diet and dentition, **Hotton, N.**—*P. d. ornatissimum, d. brevirostre*, Of Montana, **Brunson, R. B.**

*Phrynosoma m'calli*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Phrynosoma modestum*, On egg-laying of New Mexico specimens, **Bundy, R. E., Meyer, D., & Neess, J.**—From Coahuila state, Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**

*Phrynosoma orbiculare*, Discussion, history, key to subspecies; *o. orbiculare*, range, the state of Mexico and at least

N. Morelos; *o. bradti*, subsp. nov. [p. 209], head figured, type locality Caborachic, Chihuahua, Mexico, range N. Sierra Madre Occidental in Chihuahua and almost certainly Sonora: *O. durangoensis*, subsp. nov. [p. 211] type locality 10 miles E. of El Salto, District of Durango, range:—The Sierra Madre Occidental of Durango, Jalisco and Zacatecas; *o. cortezi*, range:—S. Zacatecas, exclusive of the mountains, Jalisco, exclusive of the mountains, east to E. Hidalgo south through W. Vera Cruz to C. Puebla type locality "Hacienda del Jasmin," between Orisaba (sic) and Cordaba (sic), Vera Cruz; *o. cortezi—orientale* intergrades, 13 specimens from S.W. San Luis Potosi; *o. orientale*, subsp. nov., [p. 214] type locality Miguihuana, Tamaulipas, Mexico, range N. Sierra Madre Oriental in San Luis Potosi, Tamaulipas and Nuevo León, Amer. Midl. Nat. 54, 1, 1955, **Horowitz, S. B.**

*Phrynosoma platyrhinos*, On diet and relationship of diet and dentition, **Hotton, N.**—*P. p. platyrhinos*, From Baja California, **Murray, K. F.**—*P. p. calidarum*, Of Arizona, **Duellman, W. E.** (1).—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Phrynosoma solare*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Plica*, [*Uranisrodon*], On the size of the parietal foramen, **Edinger, T.**

*Sauromalus hispidus*, From Baja California, **Murray, K. F.**—*S. obesus*, On diet and relationship of diet and dentition, **Hotton, N.**—*S. varius*, First record from Isla Pelicano (or Isla Alcatraz), in Bahia Kino, Sonora, Mexico (probably transported by man or birds); Sight record on Isla Lobos; and collected on Isla Pelicano, Sonora, Mexico, **Lowe, C. H. & Norris, K. S.** (6).

*Sceloporus* sp., On western N. American species arboreal habits, **Cunningham, J. D.** (2).—common at Fort Benning, Georgia, **Hamilton, W. J. Jr. & Pollack, J. A.**—On brain chorioid plexuses, figd., **Hilton, W. A.**

*Sceloporus clarki boulengeri*, From Costa Rica Village, Sinaloa, Mexico, **Smith, H. M. & Van Gelder, R. G.**—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*S. c. vallis*, subsp. nov., type locality, Granite Dells, 4 miles N



of Prescott, Yavapai County, Arizona, *Herpetologica* 10, 3, 1954, p. 189, head figured, **Shannon, F. A. & Urbana, R. F.**

*Sceloporus gadoviae*, From Chietla, Puebla, Mexico, **Smith, H. M. & Van Gelder, R. G.**

*Sceloporus graciosus*, Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—*S. g. graciosus*, Of Montana, **Brunson, R. B.**—On diet and relationship of diet and dentition, **Hotton, N.**—*S. g. vandenburgianus*, On arboreal habits in S. California, **Cunningham, J. D. (2).**—From Baja California, **Murray, K. F.**

*Sceloporus grammicus microlepidotus*; *g. disparilis*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**

*Sceloporus horridus horridus*, From Oaxaca, Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—From Puebla, Mexico, **Smith, H. M. & Van Gelder, R. G.**—*S. h. albiventris*, From Nayarit State (Tepic, type locality) W. Mexico, **Lewis, T. H. & Johnson, M. L.**

†*Sceloporus jarrovi*, In Pleistocene from Municipal de Texuixquiac, Zumpango Dist., Mexico, Barranca de Rio Grande, **Brattstrom, B. H. (3).**—*S. jarrovi*; From S.W. Tamaulipas, Mexico, new state records, **Martin, P. S.**

*Sceloporus magister*, On geographic variation; key to subspecies recognised: *m. rufidorsum*, range N. Baja California, except extreme N.E., and S. to Vizcaino Desert; Cedros Id., *m. zosteromus* range, Cape region of Baja California, Mexico, and Espiritu Santo Id; *m. lineatulus*, known only from Santa Catalina Id. Gulf of California, Mexico; *m. uniformis*, subsp. nov. [p. 7], type locality, Valyermo, Los Angeles County, California; *m. bimaculosus*, subsp. nov. [p. 9], type locality 6.6 mls. E. of San Antonio, Socorro County, New Mexico; *m. transversus*, subsp. nov. [p. 10], type locality Keough's Hot Springs, 7 mls. S. of Bishop, Inyo County, California; *Herpetologica* 11, 1955, **Phelan, R. L. & Brattstrom, B. H.**—*S. magister magister*, From Coahuila, Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—On diet and relationship of diet and dentition, **Hotton, N.**—*S. m. cephaloflavus*, subsp. nov., type locality:—Bentley's cabin, 15 mls. N.W. of Hole-in-the-Rock, Kaiparowits Plateau, Kane

County, E. Utah, *Gr. Basin Nat.* 15, 1-4, 1955, p. 32, **Tanner, W. W.**—*S. magister rufidorsum*; *m. monserratensis*; *m. zosteromus*, From Baja California, **Murray, K. F.**

*Sceloporus malachiticus*, On identity of the Trans-Isthmic Mexican populations: *m. salvini*, from foothills of E. Veracruz and N. Oaxaca, E. of the Isthmus of Tehuantepec with Santo Domingo, Oaxaca being the locality of record closest to the Isthmus; *m. acanthinus* of the foothills of S. Chiapas; *m. taeniocnemis* of the C. plateau of Chiapas; intergrades between *taeniocnemis* [acanthinus on record, *m. internasalis*, subsp. nov., type from La Gloria, Oaxaca, Mexico, *Herpetologica*, 11, 1955, p. 118, head fig., **Smith, H. M. & Bumzahem, C. B.**

*Sceloporus melanorhinus calligaster*, From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**

*Sceloporus nelsoni*, From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Sceloporus o. occidentalis*, On the parietal organ, figure, **Berg, G. v. d.**—*S. o. biserialatus*, Arboreal habits noted in S. California, **Cunningham, J. D. (2).**—From Baja California, **Murray, K. F.**—*S. o. longipes* of Union County, new record, Oregon, **Ferguson, D. E.**

*Sceloporus olivaceus*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Experiment on species discrimination with *poinsetti*, **Pyburn, W. F.**

*Sceloporus o. orcutti*, Arboreal habits noted, **Cunningham, J. D. (2).**—*S. o. orcutti*; *o. licki*, From Baja California, **Murray, K. F.**

*Sceloporus ornatus caeruleus*, From Coahuila, Mexico, **Chrapliwy, P. S. & Fugler, C. M.**

*Sceloporus parvus*, From S.W. Tamaulipas, Mexico, new state records, **Martin, P. S.**

*Sceloporus poinsetti*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**—Experiment on species discrimination with *olivaceus*, **Pyburn, W. F.**

*Sceloporus scalaris*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Sceloporus siniferus siniferus*, From Oaxaca, Mexico, **Chrapiwy, P. S. & Fugler, C. M.**

*Sceloporus teapensis*, From Oaxaca, Mexico, **Chrapiwy, P. S. & Fugler, C. M.**

*Sceloporus torquatus*, From S.W. Tamaulipas, Mexico, new state records, **Martin, P. S.**

*Sceloporus undulatus*, Arrangement of the cortical cells as evidence in phylogeny, **Hebard, W. B. & Charipper, H. A. (1)**.—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2)**.—Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*S. u. undulatus*, On the life history, figures, **Crenshaw, J. W.**—Of Florida, **Menne, H. A. L. (2)**.—From Mississippi, **Smith, P. W. & List, J. C.**—*S. u. consobrinus*, From Mexico, **Chrapiwy, P. S. & Fugler, C. M.**—Pallid populations of White Sands National Monument, New Mexico, **Smith, P. W. (1)**.—*S. u. consobrinus, u. garmani*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*S. u. elongatus*, On diet and relationship of diet and dentition, **Hotton, N.**—*S. u. hyacinthinus*, Of S. Maryland, **Cooper, J. E.**—Of Maryland, Harford County, **Prince, Dupstadt & Lyons.**—Notes on young, 11 eggs laid, 88 days incubation period, **Triplehorn, C. A.**—*S. u. tristichus*, Of Arizona, range extended west to Aquarius Cliffs, Mojave County, **Duellman, W. E. (1)**.

*Sceloporus utiformis*, From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**

*Sceloporus woodi*, In Florida, **Menne, H. A. L. (2)**.

*Streptosaurus*, Note on its relationships, **Lowe, C. H. (1)**.

*Streptosaurus mearnsi; steveni*, From Baja California, **Murray, K. F.**

*Tropidurus semitaeniatus*, Observations on habit, **Stubenvoll, R.**—Of N. Brazil, compared with *Oplurus grandidieri* of Madagascar, **Mertens, R. (2)**.

*Urosaurus*, Note on genus, and relationships, considered distinct from *Uta*, **Lowe, C. H. (1)**.—*U. auriculatus; clarionensis*, Of Revillagigedo Ids., Mexico, **Brattstrom, B. H. (1)**.—*U. graciosus*, Distribution chart in Arizona, **Lowe, C. H. (1)**.—First record from Sonora, Mexico, **Zweifel, R. G. &**

**Norris, K. S.**—*U. graciosus shannoni*, subsp. nov., type locality: E. bank of Hassayampa River, 2 miles W. of Morristown, Maricopa County, Arizona, *Herpetologica* **11**, 1955, p. 97, **Lowe, C. H. (1)**.—*U. ornatus*, Acclimation of the critical thermal maximum, **Lowe, C. H., Jr. & Vance, V. J. (10)**.—*U. ornatus lateralis*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*U. ornatus levis*, On diet and relationship of diet and dentition, **Hotton, N.**—*U. ornatus schmidtii*, From Mexico, species presence in N. Chihuahua verified and first record from Coahuila, **Chrapiwy, P. S. & Fugler, C. M.**

*Uta*, Note on its relationships, **Lowe, C. H. (1)**.—*U. concinna; graciosus; martinensis; microscutata; nigricauda*, From Baja California, includes some habit notes, **Murray, K. F.**—*U. ornata linearis*, Of Arizona; evidence to support *o. chiricahuae* as an unrecognizable race, **Duellman, W. E. (1)**.—*U. squamata*, From Baja California, **Murray, K. F.**—*U. s. stansburiana*, On diet and relationship of diet and dentition, **Hotton, N.**—*U. stansburiana klauberi*, subsp. nov., type locality, San Esteban Id., Gulf of California, Sonora, Mexico, *Herpetologica* **11**, 1955, p. 91, **Lowe, C. H. & Norris, K. S. (6)**.—*U. stansburiana stejnegeri*, From Mexico, **Chrapiwy, P. S. & Fugler, C. M.**—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—From Isla Pelicano, Sonora, Mexico, **Lowe, C. H. & Norris, K. S. (6)**.—Pallid populations of White Sands National Monument, New Mexico, **Smith, P. W. (1)**.—*U. stansburiana stejnegeri; s. hesperis; s. elegans*, From Baja California, **Murray, K. F.**—*U. stellata*, From Baja California, **Murray, K. F.**

#### LACERTIDAE

Of S.W. Africa, key to the genera and species, **Mertens, R. (3)**.

*Acanthodactylus*, Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—*A. boskianus*, Of S. Algeria, **Kolar, K.**—*A. pardalis pardalis*, On liking for sweet-flavoured food, **Landwehr, J.**—*A. scutellatus*, Of S. Algeria, **Kolar, K.**

*Algyroides fitzingeri*, Of N. Sardinia, **Sochurek, E. (5)**.

*Aporosaura anchietae*, Figure, of S.W. Africa, **Mertens, R. (3)**.

*Eremias*, Current gender questioned and now under investigation, **Direction 30**.—Of S. W. Africa, the following species are discussed, *breviceps*, figure; *laticeps*; *lineo-ocellata* *lineo-ocellata*; *lineo-ocellata* *inocellata*, **subsp. nov.**, type locality Zwischen Luderitzbuch und Aus; Gt. Namaqualand, (p. 66, figures); *lineo-ocellata pulchella*, figures; *namaquensis*, figure; *lugubris*, figures; *undata* *undata*, figures; *u. gaerdesi*, figures; *u. rubens*, figures, *Abh. Senckenb. naturf. Ges. No. 490, 1955*, **Mertens, R. (3)**.—*E. benguelensis*, Of Angola, **Hellmich, W. (1)**.—*E. brevirostris*, From Iran, **Schmidt, K. P. (4)**.—*E. guttulata watsonana*, From Iran, **Schmidt, K. P. (4)**.—*E. lugubris*, First record for Mozambique, fig., biology notes, **Manacas, S.**—*E. spekii spekii*, From Tanganyika T., **Mertens, R. (9)**.—*E. spekii sextaeniata*, From Kenya (Northern Frontier Division), **Battersby, J. C.**

*Holaspis guentheri*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte**.—*H. g. laevis*, From Tanganyika Territory, habit note, **Loveridge, A. (1)**.

*Ichnotropis capensis*, Figures; *squamulosa*, Figures, Of S.W. Africa, **Mertens, R. (3)**.—*I. c. capensis*, Of Mozambique, **Mauele, Manacas, S.**—*I. squamulosus*, From Tanganyika Territory, **Loveridge, A. (1)**.

*Lacerta* Linn., 1758, female gender to be attributed, **Direction 30**.—Key to German species, **Doderlein, L.**—On the size of the parietal foramen, **Edringer, T.**—Reference to the circulatory system, **Frechkop, S.**

*Lacerta aetrusca* Taddei 1953, is a synonym of *L. muralis müllerlorenzi* Taddei 1949, **Lanza, B. (1)**.

[*Lacerta agilis*], Reported in Dorset, 1953, **Dalton, R. F.**—*L. agilis*, On habits, figs., **Bund, C. F. van de**—In Germany, **Doderlein, L.**—Effect of captivity on genital organs, **Dornescu, G. T., Santa, V. & Pollingher, U.**—On reproduction, **Genin, D. I.**—Recorded in Dorset, **Howard, D. W.**—Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—On habits in terrarium; on pairing, colour changing of male at sex-maturity, embryos, hatching times etc., **Rudeberg, S. I.**—In Czecho-Slovakia, **Štěpánek, O. (2), (3)**.—Of Germany,

general notes, head figured, **Wermuth, H. in Streseman, E.**—*L. agilis agilis*, From Formby Point, Lancashire, **Ellison, N. F.**—*L. a. agilis, a. erythronota*, Of the Great Poland National Park, Poznań, **Berger, L.**

*Lacerta anatolica*, Of Rodi Id., (Rhodes), **Capocaccia, L. (1)**.

*Lacerta bedriagae bedriagae*; *b. paesleri*; *b. sardoa*, *b. tinettoi*, On the habits, **Sochurek, E. (4)**.—*L. b. paesleri, b. sardoa*, Of N. Sardinia, **Sochurek, E. (5)**.

*Lacerta (Archaeolacerta) danfordi anatolica*, In (Rhodes) Rodi Id., species, **Capocaccia, L. (1)**.

*Lacerta horvathi*, Probably in Carinthia, **Sochurek, E. (1), (3)**.

*Lacerta melisellensis*, On variation of Adriatic island specimens, **Radovanovic, M. (1)**.—Variation and populations of Adriatic islands forms; *L. m. gigantea*, **subsp. nov.**, from Sveti Andrija, Dubrovnik, Glas. srpsk-kralj. Akad. No. 216, 1955, p. 15, figs., **Radovanović, M. (2)**.—*L. m. melisellensis*; *m. galvagnii*, On respiratory exchanges at different temperatures in Dalmatia, **Gelineo, S. & A. (1)**; On consumption of oxygen in various habitats, **Gelineo, S. & A. (2)**.

*Lacerta muralis*, In Germany, **Doderlein, L.**—Ecological observations in Czecho-Slovakia, **Kalaš, L.**—On recognition of prey, **Saint-Girons, H. (2)**.—Notes in captivity; photograph, **Van de Velde, F.**—Study of head scutellation and conclusion that anomalies have no systematic significance; *m. tinettoi*, re-described, figured; *m. marcucii*, **subsp. nov.** from Argentarola Id., Monte Argentario, Prov. Grosseto, Tuscany [p. 276, figures]; *m. appenninica* Taddei 1949 is considered a synonym of *m. breviceps* Boul., and *m. bruggemanni* Bedriaga, *Monit. zool. ital. 63* 1955, **Lanza, B. (2)**.—Of Malta and islands, varieties mentioned; *filfolensis*, *despotti*, *kieselbachii*, *generalensis*, **Lanfranco, G. G.**—*L. m. muralis* (figures of head); *m. bruggemanni*, Of Germany, general notes, **Wermuth, H. in Streseman, E.**—*L. m. appenninica* Taddei 1949 is a synonym of *m. breviceps*; *L. m. breviceps*; *m. joachini-murati*; *m. appenninica*, Of Calabria, **Mertens, R. (6)**.—*L. m. brueggemanni*, On tail regeneration, experimental, **Quattrini,**



**D.**—Habits in Terrarium, **Vanderveelde, F.**—*L. m. colosii*, Of Elba, **Mertens, R. (7).**—Notes on Elba specimens, **Taddei, A.**—*L. m. despoti*, Of Malta, **Lanfranco, G. G.**—*L. m. joachini-murati* Taddei 1949 is a synonym of *m. breviceps*, **Mertens, R. (6).**—*L. m. maculiventris*, From Austria, plate, **Sochurek, E. (3).**—*L. m. tiliguerta*, Of N. Sardinia, photograph of normal and melanistic specimens, **Sochurek, E. (5).**—*L. m. toro*, On additional specimens, **Lanza, B. (1).**

*Lacerta (lepidota) pater*, habitat, **Veraldi, M.**

†*Lacerta sicula*, *L. vivipara*, and *L.* sp. in interglacine "fox-hole" D229, near Siegmansbrunn, Oberfranken, **Brunner, G. (1).**

*Lacerta sicula*, Key to following subspecies:—*mertensi*, *monaconensis*, *coerulea*, *liscabiancae*, *trischittai*, **Lanza, B. (1).**—The following subspecies are all referred to the genus *campestris*: *s. campestris* (De Betta), *s. calabresiae*; *s. roberti*; *s. cerbolensis*; *s. catanensis*; *s. sancti-nicolai*, *s. scopelica*, *s. zaratina*; *s. zangherii*; *s. taurinica*, all of Taddei; *s. corsica*; *s. pelagosae*, of Bedriaga; *s. astorgae*; *s. insularum*, of Mertens, **Taddei, A.**—On variation of Adriatic island specimens, **Radovanovic, M. (1).**—*L. s. sicula*, Of Lipari Islands, islands named, **Mertens, R. (5)**; Of Calabria and Sicily, **Mertens, R. (6).**—*L. s. alveariorum*, subsp. nov. Type locality:—Eiland Faraglione Pollara, N.W. coast of Salina, Lipari Ids., Senckenbergiana, Biol., 36, 1-2, 1955, p. 31, fig. **Mertens, R. (5).**—*L. s. calabra*; *s. campana*, Taddei 1949 are synonyms of *s. sicula*, **Mertens, R. (6).**—*L. s. campestris*, Of Elba, **Mertens, R. (7).**—On regeneration of tail, experimental, **Quattrini, D.**—*L. s. catanensis* Taddei 1949 is a synonym of *wagleriana* **Mertens, R. (6).**—*L. s. cetti*, Of Sardinia, **Sochurek, E. (5).**—*L. s. ciclopica*, Of Isola Achea, Sicily, figs., **Mertens, R. (6).**—*L. s. latastei*, Of Ponza Id., Tyrrhenian Sea, figd., **Lanza, B. (3).**—*L. s. liscabiancae*: *s. trischittai*; *s. raffonei*; Of Lipari Ids., **Mertens, R. (5).**—*L. s. medemi*, Of Isola Bella, Sicily, figs., **Mertens, R. (6).**—*L. s. mertensi*, New data, **Lanza, B. (1).**—*L. s. patrizii*, Of Zannone Id., Tyrrhenian Sea, coloured plates, **Lanza, B. (3).**—*L. s. salfi*, subsp. nov. Gulf of Salerno, Boll. Zool. 21 1954, p. 139,

**Lanza, B. (1).**—*L. s. trischittai*, Of Liscia Bianca, Lipari Ids., **Mertens, R. (5).**

*Lacerta taurica*, Of Rodi Id., (Rhodes), **Capocaccia, L. (1).**—*L. t. taurica*, Taxonomic, biological study of Roumania (Dobrudja), species, figs., **Fuhn, I. E.**

*Lacerta (Lacerta) trilineata trilineata* Is a (Rhodes) Rodi Id., species; *L. trilineata hans-schweizeri*, Of (Rhodes) Rodi Id., **Capocaccia, L. (1).**

*Lacerta viridis*, In Germany, **Doderlein, L.**—On territory and individual space, **Guibé, J. & Saint-Girons, H.**—On recognition of prey, **Saint-Girons, H. (2).**—Of Germany, general notes, head figured, **Wermuth, H. in Streseman, E.**—On chromaffin tissue in adrenal gland, **Wright, A. & Jones, I. C.**—*L. v. viridis*, From Angola, **Hellmich, W. (1).**—Notes on captive, **Kleinstra-Semplonius, M. J. (2).**—*L. v. fejevaryi*, Of Elba, **Mertens, R. (7).**—*L. v. major*, Of Rodi Id., (Rhodes) **Capocaccia, L. (1).**

[*Lacerta vivipara*] Reported in Dorset, 1953, **Dalton, R. F.**—*L. vivipara*, Distribution in the Ukraine and Caucasus, **Burchak-Abramovich.**—In Germany, **Doderlein, L.**—Reported in Cheshire, **Ellison, N. F.**—On the parietal organ, figures, **Haffner, K. von.**—Recorded in Dorset, **Howard, D. W.**—Of Woolwich area, England, **Rigdon, R. G.**—In Czecho-Slovakia, **Štěpánek, O. (1), (3).**—On winter-quarters in Sweden, **Thollander, P.**—Biometric study, **Wermuth, H.**—Of Germany, general notes, head figured, **Wermuth, H. in Streseman, E.**—*L. v. vivipara*, Of the Great Poland National Park, Poznań, **Berger, L.**

*Lacerta wagleriana wagleriana*, Of Sicily, figs., **Mertens, R. (5), (6).**—*L. v. antoninovi*, subsp. nov., Type locality: Vulcanello Peninsula, Vulcano Id., Lipari Islands, Senckenbergiana, Biol., 36, 1-2, 1955, p. 33, figs., **Mertens, R. (5).**

*Latastia johnstoni*, From Tanganyika Territory, **Loveridge, A. (1).**—*L. longicaudata revoilti*, From Kilimanjaro, **Mertens, R. (9).**

*Merole* Gray 1838 suggested for S.W. African forms of *Scapteira* **Wiegmann** 1834: following are mentioned

or discussed; *M. ctenodactylus*, figure; *cuneirostris*, figures; *knoxii knoxii*, *k. pequensis*; *micropholidotus*, figure, *reticulatus*, figures; *suborbitalis*, figures, Mertens, R. (3).

*Nucras boulengeri boulengeri*, From Tanganyika Territory, Loveridge, A. (1).—*N. intertexta intertexta*, Figure; *i. damarana*; *i. holubi*, Of S.W. Africa, Mertens, R. (3).—*N. intertexta holubi*, Of Mozambique, Namaacha, Angonia, Manaças, S.—*N. tessellata*, Of S.W. Africa, Mertens, R. (3).

*Ophisops blanfordi*, *elegans elegans*, From Iran, Schmidt, K. P. (4).

*Psammodromus algirus algirus*, In captivity, figure, Klijnsstra-Sempronius, M. J. (1).

*Scapteira*, For S.W. African forms see under *Meroles*.

*Tachydromus tachydromoides*, Endocrinology of reproduction, Kehl, R. & Combescot, C.

#### PYGOPODIDAE

Histological evidence of saurian phylogeny in the arrangement of the cortical cells, Hebard, W. B. & Charipper, H. A. (1).

*Aprasia*, From Monte Bello Islands, Hill, F. L.

*Delma fraseri fraseri*, Of Arnhem Land, (N.T.), Australia, anal regions figured, and of *f. plebeia*, Mitchell, F. J.

*Lialis burtoni*, On arrangement of the cortical cells as evidence of phylogeny, Hebard, W. B. & Charipper, H. A. (1).—From Monte Bello Islands, Hill, F. L.—Of Arnhem Land, (N.T.), Australia, Mitchell, F. J.

*Pygopus lepidopus*, On arrangement of the cortical cells and evidence of phylogeny, Hebard, W. B. & Charipper, H. A. (1).

#### SCINCIDAE

Histological evidence in the cortical cell arrangement of saurian phylogeny, Hebard, W. B. & Charipper, H. A. (1).—Of New Zealand, systematics, habits, keys, Etc., McCann, C.—Of S.W. Africa; key to genera and species, Mertens, R. (3).

*Ablepharus* sp. From Monte Bello Islands, Hill, F. L.—*A. anelli*, sp. nov. type locality, Kabompo, N. Rhodesia,

Occ. Pap. nat. Mus. S. Rhod. 2 20 1955, p. 763, head figured, Fitzsimons, V. (2).—*A. boutonii metallicus*, *orientalis*; *taeniopleurus*, Of Arnhem Land, (N.T.), Australia, Mitchell, F. J.—*A. wahlbergii*, From Tanganyika Territory, egg number noted, Loveridge, A. (1).—Of Mozambique, Lifidzi, Angonia; biology notes, Manaças, S.—Figure, of S.W. Africa, Mertens, R. (3).

*Acontias lineatus orangensis*; *plumbeus occidentalis*, Of S.W. Africa, Mertens, R. (3).

*Chalcides*, On the size of the parietal foramen, Edinger, T.—*C. chalcides chalcides*, Of Elba, Mertens, R. (7).—*C. ocellatus*, Endocrinology of reproduction, Kehl, R. & Combescot, C.—Of Malta, Lanfranco, G. G.—*C. ocellatus ocellatus*, From Iran, Schmidt, K. P. (4).—*C. o. tiligugu*, Of N. Sardinia, Sochurek, E. (5).—*C. tridactylus*, Endocrinology of reproduction, Kehl, R. & Combescot, C.

*Cyclodus*, On the size of the parietal foramen, Edinger, T.

*Egernia depressa*, Of Australia accidentally introduced into Hong Kong, Romer, J. D.—*E. hosmeri*, sp. nov., type from Kaban, Queensland, Rec. Aust. Mus. 23, 5, 1955, p. 286, plates, Kinghorn, J. R.—*E. inornata*, At Queen Victoria spring, W. Australia, Slater, P. & Lindgren, E.—*E. whitei*; *kintorei*, *inornata*, On scale variation suggesting, *kintorei* and *inornata* are variation of *whitei*, Hirschhorn, H. & Irvine, W.—*E. whitii*, From Furneaux Ids., (Flinders Id.), Bass Strait, Tasmania, Mackay, R. D.

*Eumeces*, On the size of the parietal foramen, Edinger, T.—On evolutionary relationships in *taylori*, *gaigei* and *multivirgatus*, Lowe, C. H. (2).

*Eumeces anthracinus*, On six more specimens from Georgia, Martof, B.—Additional records for Virginia, Alabarle Cnty, Telford, S. R. (1).—*E. a. pluvialis*, From Mississippi, Smith, P. W. & List, J. C.

*Eumeces brevilineatus*, From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.

*Eumeces callicephalus*, From Sonora, Mexico, Zweifel, R. G. & Norris, K. S.

*Eumeces egregius*, Common at Fort Benning area, Georgia, **Hamilton, W. J. Jr. & Pollack, J. A.**

*Eumeces fasciatus*, Of S. Maryland, **Cooper, J. E.**—Common at Fort Benning area, Georgia, **Hamilton, W. J., Jr. & Pollack, J. A.**—On arrangement of the cortical cells as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2).**—Notes on captive specimens, autotomy and broken off part eaten, **Judd, W. W.**—In captivity, **Lieshout, A. J. van.**—Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—Of Illinois, natural history notes, photographs, **Parmalee, P. W.**—Of Maryland, Harford Cnty., **Prince, Dupstadt & Lyons.**—From Mississippi, **Smith, P. W. & List, J. C.**

*Eumeces gagei*, Taylor is referred to sub-specific rank of *multivirgatus*, **Lowe, C. H. (2).**

*Eumeces gilberti arizonensis*, subsp. nov., type locality 5 mls. S.E. Wickenburg, Hassayampa River, Maricopa County, Arizona, *Herpetologica*, **10, 3, 1954, p. 185, Lowe, C. H. & Shannon, F. A. (8).**

*Eumeces inexpectatus*, From Mississippi, note on young coloration, **Smith, P. W. & List, J. C.**

*Eumeces laticeps*, Of S. Maryland, **Cooper, J. E.**—Common at Fort Benning area, Georgia, **Hamilton, W. J. & Pollack, J. A.**—Of Florida, **Menne, H. A. L. (2).**—Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—From Mississippi, **Smith, P. W. & List, J. C.**

*Eumeces latiscutatus*, Endocrinology of reproduction, **Kehl, R. & Combscot, C.**

*Eumeces managuae*, Of Costa Rica, photograph, **Taylor, E. H.**

*Eumeces multivirgatus*, subspecies *multivirgatus*, in New Mexico, **Lowe, C. H. (2).**

*Eumeces obsoletus*, On habits and adaptation in Kansas, figures, **Fitch, H. S.**—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—On arrangement of the cortical cells as evidence of

phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2).**

*Eumeces septentrionalis septentrionalis*, Observations on the natural history, **Clarke, R.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—*E. s. obtusirostris*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**

*Eumeces skiltonianus*, Of Montana, **Brunson, R. B.**—In Union Cnty., new record, Oregon, **Ferguson, D. E.**—Photograph in life, **Lieshout, A. J. van.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—From Baja California, **Murray, K. F.**

*Eumeces taylori* Smith is referred to the subspecific rank of *multivirgatus*, **Lowe, C. H. (2).**

*Euprepes striatus* var. *spilogaster* Peters is given subspecific status, **Mertens, R. (3).**

*Hinulia variegata* Buller 1871, is placed in synonymy of *Leiopisma zelandica*, **McCann, C.**

*Leiopisma*, Of New Zealand, keys, figs., etc., **McCann, C.**—*Leiopisma* sp., From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Leiopisma aeneum*, Of New Zealand, figd., **McCann, C.**

*Leiopisma challengerii*, Of New Zealand, **McCann, C.**

*Leiopisma dendyi*, Of New Zealand, figd., (*Lyg. dendyi* Fleming 1939, non Boul., is included in synonymy of *Leiopisma turbotti*), **McCann, C.**

*Leiopisma entrecasteauxii*, Of Furneaux Islands, Bass Strait, Tasmania, **Mackay, R. D.**

*Leiopisma fallai*, sp. nov. (p. 87 figs.), type locality The Great King Id., New Zealand, Dom. Mus. Bull. No. 17, 1955, **McCann, C.**

*Leiopisma festivum*, sp. nov., type locality:—Brothers Island; cotypes from Stephen Id., New Zealand, Dom. Mus. Bull. No. 17, 1955, p. 99, figd., **McCann, C.**

*Leiopisma fuscum fuscum*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**



*Leiopisma grande*, Of New Zealand; *g. grande*, figs., *g. otageense*, subsp. nov. (p. 85, figs.) type locality Otago; *g. waimatense*, subsp. nov. (p. 85, figs.) type locality Waimate, S. Island; Dom. Mus. Bull. No. 17, 1955, **McCann, C.**

*Leiopisma guichenoti delicata*, Of Arnhem Land, (N.T.), Australia; sub-specific rank now confirmed, **Mitchell, F. J.**

*Leiopisma homalonotum*, Of New Zealand, figs., **McCann, C.**

*Leiopisma infrapunctatum*, Of New Zealand, figd., **McCann, C.**

*Leiopisma laterale*, Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—Of Florida, **Menne, H. A. L. (2).**

*Leiopisma latilinearum*, sp. nov., type locality:—Kakahi, Auckland Province, Dom. Mus. Bull. No. 17, 1955, p. 119, figd., **McCann, C.**

*Leiopisma lineo-ocellatum*, Of New Zealand, figd., **McCann, C.**

*Leiopisma moco*, Of New Zealand, **McCann, C.**

*Leiopisma mustelinum*, Of New Zealand, **McCann, C.**

*Leiopisma ocellata*, From Flinders Id., Furneaux Islands, Bass Straits, Tasmania, **Mackay, R. D.**

*Leiopisma oliveri*, sp. nov. (p. 94, figs.) type locality, Poor Knight's Id., Northern Islet, New Zealand, Dom. Mus. Bull. No. 17, 1955, **McCann, C.**

*Leiopisma ornata*, Of New Zealand, **McCann, C.**

*Leiopisma pectoralis*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Leiopisma smithi*, Of New Zealand, *s. smithi*, figd., *s. numerale*, subsp. nov. (p. 99) type locality:—Sladden Island, 3 miles S.E. of Great Mercury Island, Dom. Mus. Bull. No. 17, 1955, **McCann, C.**

*Leiopisma suteri*, Of New Zealand, figs., **McCann, C.**

*Leiopisma trilineatum*, From Furneaux Islands, Bass Strait, Tasmania, **Mackay, R. D.**

*Leiopisma turbotti*, sp. nov., type locality:—The Pyramid, Chatham Islands, New Zealand, (synonymy includes *Lygosoma dendyi* Fleming 1939 non Boulenger), Dom. Mus. Bull. No. 17, 1955, p. 114, photograph, **McCann, C.**

*Leiopisma vivax*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Leiopisma zelandica*, Of New Zealand, figd., (*Hinulia variegata* Buller 1871 and *Mocca striata* Buller 1871 are included in the synonymy with some diffidence), **McCann, C.**

*Lygosoma (Rhodona) bipes*, From Monte Bello Islands, **Hill, F. L.**

*Lygosoma (Lygosoma) crassicaudum*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Lygosoma (Cophoscincus) durum*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte.**

*Lygosoma (Sphenomorphus) essingtonii*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Lygosoma indicum indicum*, On the bony palate, figure, **Mathur, K. M.**

*Lygosoma (Sphenomorphus) isolepis isolepis*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**

*Lygosoma kilimense*, From Tanganyika T., **Mertens, R. (9).**

*Lygosoma laterale*, Of S. Maryland, **Cooper, J. E.**—Abundant at Fort Benning, Georgia, **Hamilton, W. J., Jr. & Pollack, J. A.**—On arrangement of the cortical cells as evidence of phylogeny, **Hebard, W. B. & Charipper, H. A. (1).**—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2).**—Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—Of Illinois, natural history notes, photographs, **Parmalee, P. W.**

*Lygosoma (Sphenomorphus) leonhardii*, Of Arnhem Land, (N.T.), Australia, supraoculars figured, **Mitchell, F. J.**

*Lygosoma nimbense*, Of Nimba reserve, French Guinea, **Angel, Guibé & Lamotte.**

*Lygosoma ornatum* in Boul. Cat. III. p. 317, pl. 26, (*Hinulia ornata* (part) Gray 1845, is referred to *Sphenomorphus pseudornatus* nom. nov., **McCann, C.**

*Lygosoma (Sphenomorphus) spaldingi*, Of Arnhem Land, (N.T.), Australia, Mitchell, F. J.

*Lygosoma (Sphenomorphus) taeniolata*, Of Arnhem Land, (N.T.), Australia, Mitchell, F. J.

*Mabuya* Fitz., 1826, female gender to be attributed, Direction 30.—On the size of the parietal foramen, Edinger, T.—Key to S.W. African species, Mertens, R. (3).—Of Queimada Pequena Id., Brazil, Mertens, R. (11).

*Mabuya acutilabris*, Figures, of S.W. Africa, Mertens, R. (3).

*Mabuya aureopunctata*, Of Madagascar, Mertens, R. (2).

*Mabuya binotata*, From Angola, Hellmich, W. (1).—Of S.W. Africa, Mertens, R. (3).

*Mabuya blandingii*, Of Nimba reserve, French Guinea, Angel, Guibé & Lamotte.—From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.

*Mabuya brevicollis*, From Tanganyika T., Mertens, R. (9).

*Mabuya capensis*, Figure, of S.W. Africa, Mertens, R. (3).

*Mabuya damarana*, First record for Mozambique, figure, Manaças, S.

*Mabuya gravenhorsti*, Of Madagascar, Mertens, R. (2).

*Mabuya hildebrandtii*, From Somali, Mertens, R. (9).

*Mabuya hoeschi*, Figure, of S.W. Africa, Mertens, R. (3).

*Mabuya homalocephala depressa*, Of Mozambique, localities given; biology notes, Manaças, S.—*M. h. peringueyi*, Of S.W. Africa, Mertens, R. (3).

*Mabuya longiloba longiloba*, Figure, l. *triebneri*, Figure, Of S.W. Africa, Mertens, R. (3).

*Mabuya mabouya alliacea*, From Oaxaca, Mexico, Chapliwy, P. S. & Fugler, C. M.

*Mabuya macrorhyncha*, Of Queimada Grande Id., Brazil, Mertens, R. (11).

*Mabuya maculilabris*, Of Nimba reserve, French Guinea, Angel, Guibé & Lamotte,—*M. m. maculilabris*, Of An-

gola, Hellmich, W. (1).—From Somali, Mertens, R. (9).—From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.—*M. m. comorensis*; *m. boulengeri*, From Tanganyika Territory, Loveridge, A. (1).

*Mabuia megalura*, Comparative study of hypophysis, Herlant, M. & Pasteels, J. J.—From Tanganyika T., Mertens, R. (9).

*Mabuya occidentalis*, Figure, of S.W. Africa, Mertens, R. (3).

*Mabuya planifrons*, from Tanganyika Territory, Loveridge, A. (1).

*Mabuya polytropis*, Of Nimba reserve, French Guinea, Angel, Guibé & Lamotte.—From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.

*Mabuya quinquetaeniata*, From Kenya (Northern Frontier Division), Battersby, J. C.—*N. q. margaritifera*, From Tanganyika Territory, Loveridge, A. (1).—Of Mozambique, localities given; biology notes, Manaças, S.

*Mabuya striata*, Folklore notes of Belgian Congo, Lestrade, A.—Of Mozambique, localities given; biology notes, Manaças, S.—From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.—*M. s. striata*, From Tanganyika Territory; food note, Loveridge, A. (1).—From Tanganyika T., Mertens, R. (9).—*M. s. striata*, Figure; *s. sparsa*; *s. spilogaster*, figure; *s. subsp.?*, figure, all of S.W. Africa, Mertens, R. (3).

*Mabuya sulcata sulcata*, Figures; *s. nigra*, figure, of S.W. Africa, Mertens, R. (3).—*M. s. ansorgii*, From Angola, Hellmich, W. (1).—*M. s. var. nigra* Werner is given subspecific status, Mertens, R. (3).

*Mabuya varia*, Of Mozambique, localities given; biology notes, Manaças, S.—*M. v. varia*, From Tanganyika Territory, note on number of eggs, Loveridge, A. (1).—Figure of S.W. Africa, Mertens, R. (3).—*M. v. longiloba*, Methuen & Hewitt, is referred to *m. l. longiloba*, Mertens, R. (3).

*Melanoseps ater rondoensis*, From Tanganyika Territory, egg number notes, Loveridge, A. (1).

*Moco striata* Buller 1871, is placed in synonymy of *Leiopisma zelandica*, McCann, C.

*Neoseps reynoldsi*, In captivity, figure, Schmidt, A.

*Rhodona bougainvillii*, From Babel Id., Furneaux Islands, a new record for the Tasmanian region, Mackay, R. D.—*R. stylis*, sp. nov., type locality:—Yirrkalla, (N.T.), Australia, Rec. S. Aust. Mus. 11, 1955, p. 400, head figured, and bones of hind-limbs, Mitchell, F. J.

*Riopa albopunctata*, On neurosecretory cells of the brain, Ananthanarayanan, V.—*R. fernandi*, Of Nima reserve, French Guinea, Angel, Guibé & Lamotte.—From Mutsora region, Kivu Nord, Albert National Park, Witte, G. F. de.—*R. sundevallii*, From Tanganyika Territory, Loveridge, A. (1).—Of Mozambique, Mauele, biology notes, Manaças, S.—Figure of S.W. Africa, Mertens, R. (3).—From Dar-es-Salaam, Mertens, R. (9).

*Scelotes alberti*; *angolensis*, Of S.W. Africa, Mertens, R. (3).—*S. astrolabi*, Of Madagascar, Mertens, R. (2).—*S. capensis*, Of S.W. Africa, Mertens, R. (3).—*S. splendidus*, Photographed of Madagascar, Mertens, R. (2).—*S. tetradactylus tetradactylus*, From Tanganyika Territory, Loveridge, A. (1).

*Scincella laterale*, From Mississippi, Smith, P. W. & List, J. C.

*Scolecoseps? acontias*, From Tanganyika Territory, Loveridge, A. (1).

*Seps*, On the size of the parietal foramen, Edinger, T.

*Sphenomorphus* sp., At Queen Victoria Spring, W. Australia, Slater, P. & Lindgren, E.—*S. lesueurii*, From Monte Bello Islands, Hill, F. L.—*S. pseudornatus*, nom. nov., Of New Zealand, for *Hinulia ornata* Gray 1845 (part), McCann, C. see also under *Lygosoma*.

*Tiliqua nigrolutea*, From Babel Id. off E. coast of Flinders Id., Furneaux Islands, Bass Strait, Tasmania, Mackay, R. D.—*T. scincoides intermedia*, subsp. nov., type locality, Yirrkalla, (N.T.), Australia, Rec. S. Aust. Mus. 11, 1955, p. 393, Mitchell, F. J.

*Typhlacontias ngamiensis*, Of S.W. Africa, Mertens, R. (3).

## TEIIDAE

Histological evidence of saurian phylogeny in arrangement of the cortical cells, Hebard, W. B. & Charipper, H. A. (1).

*Anadia*, Key to Costa Rica forms; *metallica metallica*; *m. attenuata*, subsp. nov., (p. 537, photographs), type locality: Pacuare, Río Pacuare, on road between Turrialba and Moravia de Chirripó, Cartago Prov., Costa Rica; *m. arborea*, subsp. nov. (p. 542, photograph), type from Las Flores, Tenorio, Las Cañas, Guanacaste Province, Costa Rica, Kans. Univ. Sci. Bull. 37, 1, 1955, Taylor, E. H.

*Cnemidophorus burti*, From Sonora, Mexico, Zweifel, R. G. & Norris, K. S.

*Cnemidophorus calidipes*, sp. nov., type localities, Capirio (1200 ft.); Michoacan; S. of Apatzingan, Mexico, Occ. Pap. Mus. zool. Univ. Mich. 574, 1955, p. 1, head figured, and colour patterns, Duellman, W. E. (2).

*Cnemidophorus deppei deppei*, Oaxaca, Mexico, Chrapliwy, P. S. & Fugler, C. M.

*Cnemidophorus guttatus immutabilis*, From Oaxaca, Mexico, Chrapliwy, P. S. & Fugler, C. M.

*Cnemidophorus hyperythrus beldingi*; *h. schmidtii*; *h. hyperythrus*, From Baja California, includes observation on subspecific differences, Murray, K. F.

*Cnemidophorus inornatus*, Pallid population of White Sands National Monument, New Mexico, Smith, P. W. (1).

*Cnemidophorus labialis*, From Baja California, Murray, K. F.

*Cnemidophorus maximus*, From Baja California, includes habit notes, Murray, K. F.

*Cnemidophorus melanostethus* Cope, should be regarded as a nomen dubium, Duellman, W. E. (1).

*Cnemidophorus neomexicanus*, Range extended 60 miles into Texas, El Paso, Lawrence, J. F.

*Cnemidophorus sacki sacki*, From nr. Chietla, Puebla, Mexico. Smith, H. M. & Van Gelder, R. G.—*C. sacki australis*, s. communis, s. stictogrammus, s. semifasciatus (first record for Chihuahua state), Records in Mexico, Chrapliwy, P. S. & Fugler, C. M.—*C. s. communis*,



From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—*C. s. communis*, From Costa Rica village, Sinaloa, Mexico, **Smith, H. M. & Van Gelder, R. G.**—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*C. s. gularis*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*C. s. innotatus* Burger was wrongly identified and is *C. velox* Springer, discussion, type locality restricted to Oraibi, Navajo County, Arizona, **Lowe, C. H.** (5).—*C. s. stictogrammus*, s. *xanthonotus*, Of Arizona, **Duellman, W. E.** (1).

*Cremnophorus sexlineatus*, Of S. Maryland, **Cooper, J. E.**—Possible avoidance of over-heating by burrowing observed in Illinois, **Edgren, R. A.** (2).—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Abundant at Fort Benning, Georgia, **Hamilton, W. J., Jr. & Pollack, J. A.**—On occurrence in New Mexico, **Lowe, C. H.** (3).—Of Florida, **Menne, H. A. L.** (2).—Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—From Mississippi, with new records from Cat Id., and nr. Fontainebleau, Jackson Cnty., **Smith, P. W. & List, J. C.**—On geographic records in Illinois, **Stein, H. A.**

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*Dracaena guianensis*, Photographs and notes of specimen feeding on snails, **Conant, R.** (7), (8).

*Leposoma southi orientalis*, subsp. nov., type from Volio, Limón Province, Costa Rica, **Kans. Univ. Sci. Bull.** 37, 1, 1955, p. 546, **Taylor, E. H.**

*Tapinambis teguixin*, Of Queimada Pequena Id., Brazil, **Mertens, R.** (11).

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*forsteri haematus*, **subsp. nov.** (coloured plate) *f. marpila*, **subsp. nov.**, (p. 55), names proposed for colour forms of Ceylon; Serpentine Rept. 3, Colombo, 1955, **Deraniyagala, P. E. P.**—*B. blandingii*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—Of Sierra Leone, some habit notes, **Lester, J. W.**—First published record for Anglo-Egyptian Sudan, **Loveridge, A. (2).**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*B. cynodon*, *B. dendrophila*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—*B. dendrophila*, 11 years, 9 mths. in captivity, **Perkins, C. B.**—Note on food intake and sloughing, **Waters, J. P. J.**—*B. drapiezii*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—Note on distinct colour patterns, figures, **Tweedie, M. W. F.**—*B. fusca*, Of Arnhem Land, Australia (N.T.), **Mitchell, F. J.**—*B. irregularis*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—*B. jaspidea*, *B. nigriceps*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—*B. pulverulenta*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Boodon*, see under *Boaedon*.

*Bothrolycus*, On the dentition, evolution, **Anthony, J.**

*Botrophthalmus lineatus lineatus*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Calamaria* Boie, 1826, female gender to be attributed, **Direction 30.**—On the dentition, evolution, **Anthony, J.**—Analysis of the literature and discussion of characters, check list of 85 species and subspecies; discussions on the following, *leucogaster* (*brookii* placed in synonymy), *gervaisi*, *lumbricoidea*, *griswoldi* (now given specific rank from *lumbricoidea*), *vermiformis vermiformis* (*bruegeli* is placed in synonymy), *v. grayi* (related to *vermiformis* and not *lumbricoidea*), *grabowskyi*, *suluensis*, *pendleburyi*, *lautensis*, *everetti*, *brachyura*, *leucocephala* (skull fig), *pavimentata*, *septentrionalis* (maxilla figured), *borneensis*, *buchi*, **sp. nov.** [p. 195, head figured], type locality Dalat, Viet Nam, Indo-

China, 1500 m., **schmidt, sp. nov.** [p. 197, head figured], type locality Bundu Tuhan, Mt. Kina Balu, N. Borneo; **lowi, Marx, H. & Inger, R. F.**—*C. gimletti*; *pavimentata*; *vermiformis*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—*C. gimletti*, Specimen from stomach of *Maticora intestinalis*, collected at Kepong, Selangor;—*C. leucocephala*, Specimens from Singapore Id., and Penang Hill; Frasers Hill; Maxwells Hill; 2,200 to 3,500 ft., note on probable two colour forms.—*C. vermiformis*, On montane and lowland forms from Fraser's Hill and Kepong Forest reserve, Selangor, **Tweedie, M. W. F.**

*Calamelaps unicolor*, a new race from Angola, **Hellmich, W. (1).**—*C. unicolor unicolor*; *u. warreni*, From Tanganyika Territory, **Loveridge, A. (1).**—*C. warreni*, S. Africa, fig. of head, **Rose, W. (1).**

*Carphophis amoenus*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*C. amoenus amoenus*, Of S. Maryland, **Cooper, J. E.**—Of Maryland, Harford Cnty., **Prince, Dupstadt & Lyons.**—*C. amoena helenae*, From Mississippi, **Smith, P. W. & List, J. C.**

*Cemophora coccinea*, On so-called records from S. Maryland, **Cooper, J. E.**—Note on locality records in Maryland, new record reported from Mill Creek, Anne Arundel County, Maryland, **Littleford, R. A.**—Of Illinois, natural history notes, photographs, **Parmalee, P. W.**

*Cerastes [Trimerorhinus] tritaeniatatus tritaeniatatus*, Figure, of S.W. Africa, **Mertens, R. (3).**

*Cerberus rhynchops*, The anatomy, **Bergman, R. A. M. (2).**—Of Ceylon, habits, **Deraniyagala, P. E. P.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—*C. rhynchops australis*, Of Arnhem Land, Australia (N.T.), **Mitchell, F. J.**

*Cercaspis*, see under *Lycodon*.

*Chironius*, Key to S.E. South American species; *bicarinatus*, range Espirito Santo and eastern Minas Gerais, Brazil, S.W. to Misiones, and the Rio Uruguay (Prov. Entre Rios), Argentina; *foreatus*, **sp. nov.** [p. 10],



type locality, Rio Fortuna, Ilheus, Bahia; *pyrrhopogon*, range Bahia to Santa Catarina, Brazil; *flavolineatus*, range from C. & W. Bahia and N.E. Mato Grosso to Sao Paulo, Paraguay, and C. Bolivia; *quadricarinatus*, range, N. Mato Grosso to C. Bolivia, C. Paraguay and vicinity of Sao Paulo city; *laevicollis*, range C. Espirito Santo to Paraná; *fuscus*, range, complete range unknown, Occ. Pap. Mus. Zool. Univ. Mich., 571, 1955, **Bailey, J. R.**

*Chamaetortus*, On the dentition, evolution, **Anthony, J.**—*C. aulicus*, S. Africa, fig. of head, **Rose, W. (1).**—*C. aulicus*, From Tanganyika Territory, and some habit notes, **Loveridge, A. (1).**

*Chersydrus granulatus*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**

*Chilorhinophis carpenteri livaleensis*, From Tanganyika Territory, with food note, **Loveridge, A. (1).**

*Chionactis palarostris palarostris*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Chironius*, On the dentition, evolution, species examined *sexcarinatus*, *carinatus*, *fuscus*, **Anthony, J.**—*C. carinatus*, Of Paraguay, **Gatti, C.**—*C. (Herpetodryas) carinatus*, Of Trinidad, on feeding habits, **Wehekind, L.**—*C. sexcarinatus*, Of Paraguay, **Gatti, C.**

*Chlorophis* see under *Philothamnus*.

*Chlorosoma (Philodryas) aestivum*, *olfersii*, *psammophideum*, *schotti*, *viridissimus*, Of Paraguay, **Gatti, C.**

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*Clelia clelia*, On Butantan specimens, **Mertens, R. (10).**—*Clelia (Oxyrhopus) c. clelia*, Of Trinidad, on feeding habits, appears immune to crotaline venom, **Wehekind, L.**

*Coluber*, On the dentition, evolution, **Anthony, J.**—On vibration of tail as an excitement expression, **Hediger, H.**

*Coluber acuminatus*, On the status of the fossil snake, **Auffenberg, W.**

*Coluber aesculapii*, Experimental comparative work on pneumogastric, **Acolat, L.**

*Coluber algirus*, On the hemipenes, figd., **Domergue, C. (1).**

*Coluber andreana*, From Iran, note on reduced number of maxillary teeth (9), **Schmidt, K. P. (4).**

[*Coluber*] *caesius* Cloquet 1818, Now placed on the Official index of rejected and invalid specific names in zoology as name number 109, see **Opinion 328.**

*Coluber constrictor*, Study on variations in the eastern forms, key to subspecies, descriptions, geographic range:—*c. constrictor*, *c. priapus* (*c. haasti* is a synonym), *c. paludicolus*; *c. helvigularis*, subsp. nov., type locality 8 miles W. of Wewahitchka, Gulf Cnty., Florida, [p. 105], *c. anthicus*, *c. flaviventris*, *c. stejnegerianus*, *c. mormon*, Tulane Stud. Zool. 2, 1955, **Auffenberg, W.**—*C. constrictor*, On sensory endings in striated muscle, **Cole, W. V. (1).**—O Illinois, natural history notes, photographs of young and adult, **Parmalee, P. W.**—*C. c. constrictor*, Study on serum protein, **Cohen, E.**—Of S. Maryland, **Cooper, J. E.**—Of Maryland, Harford Cnty., **Prince, Dupstadt & Lyons.**—*C. constrictor constrictor*; *c. flaviventris*, *c. mormon*, Ranges in Canada, maps, **Logier, E. B. S. & Toner, G. C.**—*C. constrictor flaviventris*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—*C. c. flaviventris*, *c. mormon*, Of Montana, **Brunson, R. B.**—*C. c. haasti* Bell, Is not a valid form and referred to the synonymy of *c. priapus*, **Auffenberg, W.**—*C. c. mormon*, Of Union Cnty., Oregon, **Ferguson, D. E.**—*C. c. priapus*, From Mississippi, **Smith, P. W. & List, J. C.**—*C. c. stejnegerianus*, *C. ortenburgeri* is referred to the synonymy, **Auffenberg, W.**

*Coluber diadema*, On the hemipenes, figd., **Domergue, C. (1).**—Study of characters and table of scales from different localities in French Sahara, **Piquet, P.**

*Coluber fasciolatus*, Of Ceylon, head figd., habits, **Deraniyagala, P. E. P.**

*Coluber florulentus florulentus*, Of Anglo-Egyptian Sudan; note on validity of *smithi* as full species, **Loveridge, A. (2)**.

†*Coluber freybergi*, sp. nov. (p. 108) in Interglacial "fox-hole" D229, near Siegmansbrunn, Oberfranken, **Brunner, G. (1)**.

*Coluber hippocrepsis*, On the hemipenes, figd., **Domergue, C. (1)**.

*Coluber jugularis caspicus*, Of Cyclades, (Seriphos), **Buchholz, K. F.**

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*Coluber najadum*, In captivity, plate, **Wimmer, H.**

*Coluber ortenburgeri*, Referred to the synonymy of *C. c. stejnegerianus*, **Aufenberg, W.**

*Coluber platurinus* Shaw, Note on allocation; should be considered a synonym of *Bungarus fasciatus* (Schneid.), **Leviton, A. E. (2)**.

*Coluber taeniatus ruthveni*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.

*Coluber viridiflavus*, In Germany, **Doderlein, L.**—*C. viridiflavus viridiflavus*, Description of a green and yellow specimen from Luxemburg, photograph, **Heuertz, M.**—Of Elba, **Mertens, R. (7)**.—On living habits and habitats, **Philippe, L.**—Of N. Sardinia, photograph, **Sochurek, E. (5)**.

*Coniophanes frangivirgatus*, From S.W. Tamaulipas, Mexico, new state record, **Martin P. S.**—*C. imperialis imperialis*, Notes on habits and food, **Conant, R. (2)**.—*C. piceivittis piceivittis*, Of Costa Rica, photograph, **Taylor, E. H.**

*Conophis lineatus nevermanni*, Of Costa Rica, photograph, **Taylor, E. H.**

*Coronella*, On the dentition, evolution, **Anthony, J.**—[*Coronella austriaca*], Reported in Dorset, 1953, **Dalton, R. F.**—*C. austriaca*, In Germany, **Doderlein, L.**—Recorded in Dorset, **Howard, D. W.**—On recognition of prey, **Saint-Girons, H. (2)**.—Of Germany, head figured, general notes, **Wermuth, H.** in **Stresemann, E.**—*C. austriaca austriaca*, Of the Great Poland National Park, Poznań, **Berger, L.**—Of Elba, **Mertens, R. (7)**.—In captivity, photograph, **Visscher, H. A.**

*Crotaphopeltis*, On the dentition, evolution, **Anthony, J.**—*C. hotamboeia*, Of S. Africa, habit notes, photograph, fig. of head, **Rose, W. (1)**.—*C. h. hotamboeia*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—Of Angola, **Hellmich, W. (1)**.—From Tanganyika Territory, **Loveridge, A. (1)**.—Of Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—*C. h. bicolor*, From Tanganyika T., **Mertens, R. (9)**.

*Cyclagras gigas*, Of Paraguay, **Gatti, C.**

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*Dasypeltis scaber*, Of Portuguese East Africa, habit notes, geographic range, coloured figure, **Frade, F. & Manças, S.**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*D. scaber scaber*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.—*D. scabra scabra*, From Tanganyika T., **Mertens, R. (9)**.—*D. scaber scaber; s. medici*, From Tanganyika Territory, **Loveridge, A. (1)**.—*D. scabra*, fig. of head, *inornata*, Notes on habits, photographs, **Rose, W. (1)**.—*D. scabra scabra, s. palmarum* (First published record for A/E Sudan), Of Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—*D. loveridgei*, Figure, of S.W. Africa, habit notes, taxonomy, **Mertens, R. (3)**.**

*Dendrelaphis*, Of Ceylon, key to species, habits, *bifrenalis* (head figd.), *caudolineolatus* (head figd.), *tristis* (scales figd.) *oliveri*, **Deraniyagala, P. E. P.**

*Dendrophis*, On the dentition, evolution, **Anthony, J.**—*D. pictus*, Statistical analysis of body topography, **Bergman, R. A. M. (1)**.—*D. punctulatus*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.

*Diadophis amabilis*, On anesthetic administration, **Karlstrom, E. L. & Cook, S. F.**—*D. punctatus*, Of Illinois, natural history notes, photographs, **Parmalee, P. W.**—*D. p. punctatus*, On so-called records from S. Maryland, *p. edwardsii*, from S. Maryland, **Cooper, J. E.**—*D. p. arnyi, p. docilis*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*D. p. edwardsi*, Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—On specimens from

Georgia, ventral counts, **Martof, B.**—Of Maryland, Harford Cnty., **Prince, Dupstadt, & Lyons.**—*D. p. stictogenys*, From Mississippi, with note on eggs hatching, **Smith, P. W. & List, J. C.**

*Dimades plicatilis*, Of Paraguay, **Gatti, C.**

*Dinodon*, On the dentition, evolution, **Anthony, J.**

*Dipsadoboa*, On the dentition, evolution, **Anthony, J.**—*D. elongata*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.—*D. unicolor*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte, & Roy.—*D. unicolor, duchesnii*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.******

*Dipsadomorphus*, see under *Boiga*.

*Dipsas albifrons cavaleiroi*, Of Queimada Grande Id., Brazil, **Mertens, R. (11).**—(*Sibynomorphus*) *catesbyi*, Of Paraguay, **Gatti, C.**—*D. cisticeps; indica*, Of Paraguay, **Gatti, C.**—(*Sibynomorphus*) *intermedius*, Of Paraguay, **Gatti, C.**—*D. mikani*, On snail feeding habits, photographs; *albifrons*, photograph in threatening attitude, **Rosenberg, H.**—(*Sibynomorphus mikani*); (*S. turgidus*), Of Paraguay, **Gatti, R.**—*D. trinitatis*, Of Trinidad, **Wehekind, L.**—*D. variegata nicholsi*, Obtained from banana shipment, photograph, **Oliver, J. A. (4).**—(*Sibynomorphus*) *ventrimaculatus*, Of Paraguay, **Gatti, C.**

*Dispholidus typus*, On the dentition, skull figd., evolution, **Anthony, J.**—From Kenya (Northern Frontier Division), **Battersby, J. C.**—Of Portuguese East Africa, habit notes, geographic range, coloured figure, **Frade, F. & Manaças, S.**—From Tanganyika Territory, with notes on food and venom toxicity, reported death, **Loveridge, A. (1).**—From Anglo-Egyptian Sudan, **Loveridge, A. (2).**—Figure, of S.W. Africa; ♂ 1450 mm., ♀ 1322 mm, note on colour of eyes and body, habit observations, **Mertens, R. (3).**—From Tanganyika T., **Mertens, R. (9).**—Of S. Africa, some habit notes, photographs, fig. of head, **Rose, W. (1).**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*D. typus kivuensis*, subsp. nov., (p. 127), type locality:—Uvira, 780 m. Kivu, Belgian Congo, paratypes from Kivu, Congo; Tanganyika T., N.

Rhodesia; *D. t. punctatus*, subsp. nov., (p. 129), type locality, Dundo, Angola; paratypes from Angola, Congo, Tanganyika T., N. Rhodesia, Rev. Zool. Bot. Afr. 51, 1955, **Laurent, R. F. (2.)**

*Dityophis*, On the dentition, evolution, **Anthony, J.**

*Dromicodryas bernieri*, Of Madagascar, **Mertens, R. (2).**

*Dromicus*, On the dentition, evolution, **Anthony, J.**—*D. angulifer*, Of Madagascar, **Mertens, R. (2).**

*Dromophis*, On the dentition, evolution, **Anthony, J.**—*D. lineatus*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**

*Dryadophis bifossatus*, On Butantan specimens, **Mertens, R. (10).**

*Drymarchon corais corais*, Of Trinidad, on feeding habits, **Wehekind, L.**—*D. corais couperi*, Of Florida, **Menne, H. A. L. (2).**—22 years 4 months in captivity, **Perkins, C. B.**—In captivity, figure, **Popp, B.**—*D. corais rubidus*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Drymobius*, On the dentition, evolution, **Anthony, J.**—*D. bifossatus, boddaerti*, Of Paraguay, **Gatti, C.**—*D. b. boddaerti*, Of Trinidad, on feeding habits, **Wehekind, L.**

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*Dryophiops rubescens*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**

*Dryophis*, On the dentition, evolution, **Anthony, J.**—*D. fasciolatus; mycterizans*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—*D. nasutus*, Some observations on the reproduction, **Silva, P. H. D. H. de (1).**—*D. prasinus*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**

*Dryophylax pallidus; punctatissimus*, Of Paraguay, **Gatti, C.**

*Duberria lutrix*, fig. of head, *variegatum*, photographs, notes on habits, **Rose, W. (1).**—*D. lutrix shiranum*, From Tanganyika T., **Mertens, R. (9).**



*Elachistodon westermanni*, Translated and revised copy of original description by J. Reinhardt, Overs. K. Danske Vidensk. Selskabs, 1863: 198-210, 1 plate, Gans, C. (2).

*Elaphe caudaelineata*, From Iran, Schmidt, K. P. (4).

*Elaphe erythrura* (*Coluber erythrurus*), Habits in captivity, neck inflation, Ruiter, L. C. de (2).

*Elaphe flavolineata*, Of Kuala Lumpur, on habitat and numbers, Lim Boo-Liat.

*Elaphe guttata*, Of Illinois, natural history notes, photograph, Parmalee, P. W.—*E. guttata guttata*, Of S. Maryland, Cooper, J. E.—21 years, 9 months in captivity, Perkins, C. B.—From Mississippi, Smith, P. W. & List, J. C.—*E. guttata emoryi*, From Mexico, Chrapliwy, P. S. & Fugler, C. M.—From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.—On colour changing (metachrosis), Neill, W. T. & Allen, E. R.

*Elaphe helena*, Of Ceylon, head figd., habits, Deraniyagala, P. E. P.

*Elaphe laeta laeta*, On adrenal and body weights, Smith, H. M. & White, F. N.

*Elaphe longissima*, In Germany, head figured, Doderlein, L.—Of Germany, head figured, general notes, Wermuth, H. in Streseman, H.

*Elaphe obsoleta*, Of Illinois, natural history notes, photographs of adult and young, Parmalee, P. W.—*E. obsoleta obsoleta*, Range in Canada, map, Logier, E. B. S. & Toner, G. C.—*E. obsoleta obsoleta*, 16 years; *o. quadrivittata*, 17 years, 4 months; *o. spiloides*, 13 years, 5 months in captivity, Perkins, C. B.—*E. obsoleta obsoleta*, Of Maryland, Harford Cnty., Prince, Dupstadt & Lyons.—*E. o. confinis*, From Mississippi, Smith, P. W. & List, J. C.—*E. o. lindheimeri*, From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.—Of Bayou Tortue region, Lafayette Parish, Louisiana, Liner, E. A.—*E. o. quadrivittata*, On so-called records from S. Maryland, Cooper, J. E.—On subnormal health conditions found in wild specimens, Kauffeld, C. F.

*Elaphe oxycephala*, Of Kuala Lumpur, on habitat and numbers, Lim Boo-Liat.—Note on food intake and sloughing, Waters, J. P. J.—*E. oxycephala* (*Coluber oxycephalus*), Habits in captivity, neck inflation, figure, Ruiter, L. C. de (2).

*Elaphe quadrivirgata*, Prepared serum from this used as neutralizer of venom of *Trimeresurus flavoviridis* and *Agkistrodon contortrix*, Philpot, V. B.

*Elaphe quadrivittata*, Of Florida, Menne, H. A. L. (2).

*Elaphe quator-lineata praematura*, Of Cyclades, (Ios), Buchholz, K. F.

*Elaphe radiata*, Observations on encounter with a boomslang in captivity, Ruiter, L. C. de (1).

*Elaphe triaspis*, From S.W. Tamaulipas, Mexico, new State record, Martin, P. S.

*Elaphe situla*, Of Cyclades, (Paros, Milos), Buchholz, K. F.

*Elaphe taeniura*, Of Kuala Lumpur, on habitat and numbers, Lim Boo-Liat.

*Elaphe vulpina*, Endocrinology of reproduction, Kehl, R. & Combescot, C.—Of Illinois, natural history notes, photograph, Parmalee, P. W.—*E. v. gloydi*, Endocrinology of reproduction, Kehl, R. & Combescot, C.—Range in Canada, map, Logier, E. B. S. & Toner, G. C.—Notes on young, 9 eggs laid, 67 days incubation time, Triplehorn, C. A.

*Elapomoius dimidatus*, Of Paraguay Gatti, C.

*Elapomorphus*, On the dentition, evolution, species examined *tricolor*, *blumii*, *lemniscatus*, Anthony, J.—*E. bilineatus*, Of Paraguay, Gatti, C.—*E. mertensi*, sp. nov., From Serra Azul, São Paulo, Brazil, (p. 301, plates); *tricolor* (plates), Senckenbergiana. Biol. 36, 5-6, 1955, Hoge, A. R.—*E. tricolor*, Of Paraguay, Gatti, C.

*Enhydris doriae*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).—*E. polylepis*, Of Arnhem Land, Australia (N.T.), Mitchell, F. J.

*Erythrolamprus*, On the dentition, evolution, Anthony, J.—*E. aesculapi*, Of Paraguay, Gatti, C.—On Butantan specimens, Mertens, R. (10).

*Farancia abacura*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*F. a. reinwardti*, Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—From Mississippi, **Smith, P. W. & List, J. C.**

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*Furina*, On the dentition, evolution, **Anthony, J.**

*Gastropyxis smaragdina*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Geodipsas*, On the dentition, evolution, **Anthony, J.**—*G. depressiceps*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Geophis*, On the dentition, evolution, **Anthony, J.**—*G. chalybaeus*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—*G. fulvoguttatus*, Mertens, 1952, additional remarks, **Mertens, R. (1).**—*G. semianulatus*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Gerardia prevostiana*, Of Ceylon, head figd., habits, **Deraniyagala, P. E. P.**

*Gonionotophis klingii*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**

*Gonyophis margaritatus*, Additional specimens from Mount Ophir and Maxwell's Hill, Perak, **Tweedie, M. W. F.**

*Grayia ornata*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*G. Smythii*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—Of Sierra Leone, **Lester, J. W.**—First published record for Anglo-Egyptian Sudan, **Loveridge, A. (2).**

*Gyalopion desertorum*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Haldea striatula*, Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—From Mississippi, **Smith, P. W. & List, J. C.**—*H. valeriae*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*H. v. valeriae*, Of S. Maryland, **Cooper, J. E.**—On range in Georgia, **Martof, B.**—Of Maryland,

Harford Cnty., **Prince, Duppsstadt & Lyons.**—*H. v. elegans*, From Mississippi, **Smith, P. W. & List, J. C.**

*Haplocercus ceylonensis*, Of Ceylon, head figd., **Deraniyagala, P. E. P.**

*Haplopeltura bon*, Of Kuala Lumpur, on habitat and numbers, **Lim Boo-Liat.**

*Hapsidophrys lineata*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Helicops angulatus*, Of Trinidad, on feeding habits, **Wehekind, L.**—*H. carinicauda*, *leopardinus*, Of Paraguay, **Gatti, C.**—*H. schistosus*, 12 years, 3 months, in captivity, **Perkins, C. B.**

*Hemirhagerrhis nototaenia*, Of S. Africa, habit notes, photograph, fig. of head, **Rose, W. (1).**—*H. n. nototaenia*, From Kenya (Northern Frontier Division), **Battersby, J. C.**—From Tanganyika Territory, and food notes, **Loveridge, A. (1).**—*H. n. viperina*, Of S.W. Africa, **Mertens, R. (3).**

*Herpeton tentaculum*, On nasal appendages, and use of, **Hediger, H.**

*Heterodon*, On the dentition, evolution, **Anthony, J.**—A review on the natural history, bibliography, **Edgren, R. A. (1).**—Adrenal enlargement and its significance; presumably correlated with ingestion of toad skin secretion, **Smith, H. M. & White, F. N.**—*H. nasicus nasicus*, Of Montana, **Brunson, R. B.**—*H. n. nasicus*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—“*Heterodon platyrhinos*,” Hog-nosed snake, photographs of sloughing, **Bogert, C. M. (1).**—*H. platyrhinos*; *nasicus*, Of Illinois, natural history notes, photographs, **Parmalee, P. W.**—*H. platyrhinos*, Chemical experiments on bluffing and death-feigning behaviour, **Edgren, R. A. & M. K. (3).**—*H. p. platyrhinos*, Of S. Maryland, **Cooper, J. E.**—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—Of Maryland, Harford Cnty., **Prince, Duppsstadt & Lyons.**—Of Mississippi, **Smith, P. W. & List, J. C.**—*H. p. platyrhinos*, *nasicus nasicus*, On adrenal enlargement, **Smith, H. M. & White, F. N.**

*Heterolepis*, On the dentition, evolution, **Anthony, J.**

*Himantodes cenchoa*, Of Paraguay, **Gatti, C.**

*Homalocranium* see under *Tantilla*.

*Homalopsis buccata*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat**.

*Homalosoma*, On the dentition, evolution, **Anthony, J.**

*Hormonotus modestus*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy**.—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de**.

*Hydrops triangularis*, Of Trinidad, on feeding habits, **Wehekind, L.**

*Hypsiglena ochrorhyncha ochrorhyncha*, From Mexico, **Chrapiwy, P. S. & Fugler, C. M.**—*H. torquata torquata*, From Costa Rica Village, Sinaloa, Mexico, **Smith, H. M. & Van Gelder, R. G.**—*H. t. ochrorhyncha*, On granite rock found in the intestinal tract, **Glaser, R.**—From Sonora, Mexico, first record from Tiburon Island, **Zweifel, R. G. & Norris, K. S.**—*H. t. texana*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**

*Ialtris*, On the dentition, evolution, **Anthony, J.**

*Imantodes cenchoa*, From S.W. Tamaulipas, Mexico, new State record, **Martin, P. S.**—*I. c. cenchoa*, Of Trinidad, on feeding habits, **Wehekind, L.**—*I. c. leucomelas*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.

*Ithyphus miniatus*, Photograph, of Madagascar, **Mertens, R. (2)**.

*Lampropeltis calligaster*; Of Illinois, natural history notes, photographs, **Parmalee, P. W.**—On body and adrenal weights, **Smith, H. M. & White, F. N.**—*L. c. calligaster*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*L. c. rhombomaculatum*, On so-called records from S. Maryland, **Cooper, J. E.**—From Mississippi, **Smith, P. W. & List, J. C.**

*Lampropeltis doliata*, Study of adrenal gland, **Hebard, W. B. & Charipper, H. A. (2)**.—Of Illinois, natural history

notes, photographs, **Parmalee, P. W.**—*L. d. doliata*, From Mississippi, **Smith, P. W. & List, J. C.**—*L. d. amaura*, 18 years, 7 months; *d. annulata* 14 years, 5 months, in captivity, **Perkins, C. B.**—*L. d. nelsoni*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*L. d. polyzona*, Obtained from banana shipments, **Oliver, J. A. (4)**.—*L. d. temporalis*, Of S. Maryland, **Cooper, J. E.**—*L. d. triangulum*, A female albino from Ohio, account of hatched young, **Condit, J. M. & Woodruff, R. E.**—Of Maryland, Harford Cnty., **Prince, Duppstadt & Lyons**.—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—*L. d. triangulum*, On authentic records from Georgia, up to 4,700 feet, in some respects are intermediate between *d. triangulum* × *d. temporalis*, **Martof, B.**

*Lampropeltis e. elapsoides*, Of Florida, **Menne, H. A. L. (2)**.

*Lampropeltis getulus*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*L. getulus*, Distributional map in Sonora, Arizona and New Mexico; *g. splendida* figure; *g. yumensis*, figure; **Zweifel, R. G. & Norris, K. S.**—*L. getulus*, subsp.? Of S. Arizona, **Duellman, W. E. (1)**.—*L. g. getulus*, Of S. Maryland, **Cooper, J. E.**—*L. g. getulus*; *g. floridana*, In Florida, **Menne, H. A. L. (2)**.—*L. g. brooksi*, 10 years; *g. californiae*, 14 years, 10 months; *g. floridana*, 11 years, 6 months; *g. holbrookii*, 11 years, 8 months in captivity, **Perkins, C. B.**—*L. g. californiae*; *g. conjuncta*, From Baja California, **Murray, K. F.**—*L. g. holbrookii*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—*L. g. holbrookii*; *g. splendida*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*L. g. holbrookii*, Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—From Mississippi, **Smith, P. W. & List, J. C.**—*L. g. nigrilus*, subsp. nov., Type locality 30.6 miles (by road) S. of Hermosillo, Sonora, on the main highway; **Amer. Midl. Nat. 54, 1, 1955, p. 54**, figured, **Zweifel, R. G. & Norris, K. S.**

†*Lampropeltis intermedius*, From Pliocene, Goleta Formation, Morelia, Michoacan, Mexico, **Brattstrom, B. H. (3)**.



*Lampropeltis triangulum*, Of Purpleville Project Area, York Co., Ontario, Francis, G.—*L. t. gentilis*, Of Montana, Brunson, R. B.—*L. t. nelsoni*, From Costa Rica Village, Sinaloa, Mexico, Smith, H. M. & Van Gelder, R. G.

*Lampropeltis zonata multifasciata*, 13 years, 6 months in captivity, Perkins, C. B.—*L. z. parvirubra*, On arboreal habits in S. California, Cunningham, J. D. (2).

*Lamprophis*, On the dentition, exolution, Anthony, J.—Key to species, *aurora*, *fiskii*, *inornatus*, fig. of head, *fuscus*, habit notes, Rose, W. (1).

*Langaha*, On the dentition, evolution, Anthony, J.—On specimen in the New York Zoo, photograph, Dunton, S. (3).

*Leimadophis*, Of Paraguay, vernacular names, etc., Gatti, C.—*L. almadensis*, Of Paraguay, Gatti, C.—*L. (Liophis) melanotus*, Of Trinidad, on feeding habits, Wehekind, L.—*L. poecilogyrus*, Of Paraguay, Gatti, C.—*L. reginae*, Of Paraguay, Gatti, C.—*L. (Liophis) r. reginae*, Of Trinidad, on feeding habits, Wehekind, L.—*L. triscalis*; *typhlus*; *viridis*, Of Paraguay, Gatti, C.

*Leptodeira* sp. Of Costa Rica, Taylor, E. H.—*L. albofusus*, Cannibalism in captivity, Peters, U.—*L. annulata*, Of Paraguay, Gatti, C.—*L. annulata*, Is common in banana shipments, photograph, Oliver, J. A. (4).—*L. a. annulata*, Of Trinidad, on feeding habits, Wehekind, L.—*L. ehippiata*, Third, fourth and fifth recorded specimens, from Sonora, Mexico, Zweifel, R. G. & Norris, K. S.—*L. frenata*, On variation and relationship; key to subspecies; *f. yucatanensis*, *f. frenata*; *f. malleisi*; figure of intergrades, Duellman, W. E. & Werler, J. E.—*L. maculata*, From Nayarit State, W. Mexico, Lewis, T. H. & Johnson, M. L.—*L. mystacina*, On colour changing (metachrosis), Neill, W. T. & Allen, E. R.

*Leptophis*, On the dentition, evolution, Anthony, J.—*L. ahaetulla*—see under *Thalerophis richardi coeruleodorsus*, Wehekind, L.—*L. ahaetulla*, Of Paraguay, Gatti, C.—*L. ahaetulla occidentalis*, Obtained in banana shipment, photograph, Oliver, J. A. (4).—*L. diplotropis*, From Sonora, Mexico, Zweifel, R. G. & Norris, K. S.—*L.*

*d. diplotropis*, From Costa Rica Village, Sinaloa, Mexico, Smith, H. M. & Van Gelder, R. G.

*Liodytes alleni*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).—On body and adrenal weights, Smith, H. M. & White, F. N.

*Lioheterodon*, On the dentition, evolution, Anthony, J.—*L. modestus*, Of Madagascar, Mertens, R. (2).

*Liopeltis calamaria calamaria*, Of Ceylon, head figd., Deraniyagala, P. E. P.—*L. baliodeirus*, *tricolor*, Of Kuala Lumpur, habitat and numbers, Lim Boo-Liat.

*Liophis*, Of Paraguay, vernacular names, etc., Gatti, C.—evolution, species examined, *anomalus*, *undulatus*, *jaegeri*, *miliaris*, *brazili*, *typhlus*, *poecilogyrus*, Anthony, J.—*L. anomalus*, Of Paraguay, Gatti, C.—*L. (Rhadinaea) cobella*, Of Trinidad, on feeding habits, Wehekind, L.—*L. frenatus*; *genimaculatus*; *jaegeri*; *m. milicans*, *m. semiaureus*; *obtus*; *occipitalis*; *poecilopogon*, Of Paraguay, Gatti, C.

*Liopholodophis lateralis*, Of Madagascar, head figured; synonymy includes, *Dromicus madagascariensis* Gthr. 1872; *Philothamnus lateralis* Boettg. 1881; *Dromicus stumpffii* Boettg. 1881; *Ptyas infrasinigata* Gthr. 1882; *Dromicus baroni* Boul. 1888; *Liophidium gracile* Mocq. 1908, Guibé, J. (1).—*L. pseudolateralis* sp. nov., type locality Ambatomainy (West), Ambovombe et Isalo (South), Madagascar, Mem. Inst. Sci. Madagascar 9A, 1955, p. 245, 2 head figures, Guibé, J. (1).—*L. lateralis*, Of Madagascar, Mertens, R. (2).

*Lithorhynchus diadema*, On the hemipenes, figd., Domergue, C. (1).

*Lycodon*, On the dentition, evolution, Anthony, J.—Of Ceylon, key to species, *striatus sinhaleus*, subsp. nov., type locality Rajagiriya, near Colombo (p. 34); *aulicus* (head and teeth figd.), Serpentine Rept., 3, 1955, Deraniyagala, P. E. P.—*L. aulicus*; *effraenis*; *subcinctus*, Of Kuala Lumpur, habitat and numbers, Lim Boo-Liat.—*L. [Cercaspis] carinatus*, Of Ceylon, including habits, Deraniyagala, P. E. P.—*L. effraenis*, On fifth Malayan record collected at Kepong, Tweedie, M. W. F.—*L. platurinus* Cantor is a synonym

of *Lycodon subcinctus subcinctus* Boie, **Leviton, A. E. (2)**.—*L. subcinctus*, Systematic notes, subspecies recognised are:—*L. subcinctus sealei*, **subsp. nov.**, Type locality:—Puerto Princesa, Palawan Id., Philippines, paratypes from, Palawan Id., Borneo [p. 195]—*L. s. subcinctus* Boie (synonymy is *L. subcinctus* Boie (1826) 203 (nomen nudum; type locality, Java); (1827) column 551, *Elapoides annulatus* Sauvage (1884) 144 (type locality, Sumatra)—*L. s. maculatus* (Cope) (Synonymy is *Homalopsis buccatus* (not of Linnaeus) Hallowell (1860) 502 (misidentified specimen from Hongkong; *Anoplophallus maculatus* Cope (1895) 216, pl. 24, fig. 2, (type locality, Hongkong) [not *Megalops maculatus* Hallowell (1860)]—*L. s. sealei*, (synonymy is *Ophites subcinctus* Taylor (1922) 124, Philipp. J. Sci., 84, 2, 1955, **Leviton, A. E. (1)**).

*Lycodonomorphus rufulus*, Figures, habit notes, in S. Africa, **Rose, W. (1)**.—*L. rufulus whytii*, From Tanganyika Territory, **Loveridge, A. (1)**.

*Lycognathus* see under *Siphilophis*.

*Lycophidium*, or *Lycophidion*, On the dentition, evolution, **Anthony, J.**—*L. capense*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—S. Africa, habit notes, fig. of head, **Rose, W. (1)**.—*L. c. capense*, Of Angola, **Hellmich, W. (1)**.—*L. c. capense*; *capense* > < *acutirostre*, From Tanganyika Territory, **Loveridge, A. (1)**.—*L. c. capense*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—Figure, of S.W. Africa, **Mertens, R. (3)**.—From Tanganyika T., **Mertens, R. (9)**.—*L. irroratum*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—*L. ornatum*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*L. semicinctum*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—Of Portuguese East Africa, habit notes, geographic range, coloured figure, **Frade, F. & Manaças, S.**

*Lygophis coralliventris*; *flavifrenatus*; *lineatus*, Of Paraguay, **Gatti, C.**

*Lystrophis dorbignyi*; *histricus*, Of Paraguay, **Gatti, C.**

*Macrelaps*, On the dentition, evolution, **Anthony, J.**—*M. microlepidotus*, S. Africa, fig. of head, **Rose, W. (1)**.

*Macropisthodon*, On the dentition, evolution, **Anthony, J.**—*M. flaviceps*, Of Kuala Lumpur, habitat and abundance, **Lim Boo-Liat.**—*M. plumbicolor palabariya*, **subsp. nov.**, type locality:—Kotmale, Ceylon, head and teeth figd., *Serpentoid Rept.*, 3, Colombo, 1955, p. 62, **Deraniyagala, P. E. P.**—*M. rhodomelas*, In captivity, neck inflation and colour marking, figure, **Ruiter, L. C. de (2)**.

*Macroprotodon cucullatus*, On the hemipenes, figd., **Domergue, C. (1)**.

*Madagascarophis colubrinus*, Photograph, of Madagascar, **Mertens, R. (2)**.

*Malpolon*, On the dentition, evolution, **Anthony, J.**—*M. (Coelopeltis)?* From miocene, Neudorf, Bohemia, **Wettstein, O. (2)**.—*M. moilensis*, On the hemipenes, figd., *monspessulanus*, On the hemipenes, **Domergue, C. (1)**.

*Masticophis anthonyi*, From Revil-lagidedo Ids., Mexico, **Brattstrom, B. H. (1)**.—*M. bilineatus bilineatus*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*M. bilineatus slevini*, **subsp. nov.**, type locality, San Estéban Id., Gulf of California, Sonora, Mexico, *Herpetologica* 11, 1955, p. 93, **Lowe, C. H. & Norris, K. S. (6)**.—*M. flagellum*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*M. flagellum*, On arboreal habits, including, *f. ruddocki*, in S. California, **Cunningham, J. D. (2)**.—*M. flagellum lineatus*? From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—*M. f. piceus*, From Baja California, **Murray, K. F.**—*M. f. piceus* (black), 11 years, 2 months; (red), 12 years, 2 months; *f. testaceus*, 13 years, 5 months in captivity, **Perkins, C. B.**—*M. f. piceus*, From Costa Rica Village, Sinaloa, Mexico, **Smith, H. M. & Van Gelder, R. G.**—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*M. f. testaceus*, From N.W. Texas, some food notes, **Fouquette, M. J. & Lindsay, H. L.**—*M. lateralis lateralis*, From Baja California, **Murray, K. F.**—On arboreal habits in S. California, **Cunningham, J. D. (2)**.—*M. lineatus lineatus*, First positive record for Puebla, Mexico, **Smith, H. M. & Van Gelder, R. G.**—*M. striolatus striolatus*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*M. taeniatus taeniatus*, Definite records for Washington, **Svihla, A.**

*Mehelya capensis*, Of Portuguese East Africa, habit notes, geographic range, coloured figure, **Frade, F. & Manacas, S.**—Of S. Africa, photograph, fig. of head, habit notes, food, **Rose, W. (1).**—*M. nyassae*, From Tanganyika Territory, **Loveridge, A. (1).**—*M. poensis*; *stenophthalmus*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—*M. vernayi*, Of S.W. Africa, **Mertens, R. (3).**

*Meizodon coronatus*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—*M. coronatus*, First published record for Anglo-Egyptian Sudan; *c. v. camerunensis* Monard 1951 is a synonym of *regularis*, **Loveridge, A. (2).**—*M. semiornata*, From Tanganyika Territory, **Loveridge, A. (1).**

*Micrelaps boettgeri*, First published record for Anglo-Egyptian Sudan, male subcaudal count increased to 26, **Loveridge, A. (2).**

*Mimophis mahfalensis*, Photograph, of Madagascar, **Mertens, R. (2).**

*Miodon*, On the dentition, evolution, **Anthony, J.**—*M. acanthias*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte, & Roy.**—*M. gabonensis*, Of Angola, **Hellmich, W. (1).**—*M. gabonensis schmidtii*, *christyi*, *fulvicollis graueri*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Natriciteres olivacea olivacea*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*N. o. uluguruensis*, From Tanganyika Territory, **Loveridge, A. (1).**

*Natrix*, Key to German species, **Doderlein, L.**—On the dentition, evolution, **Anthony, J.**

*Natrix angustirostris*, *Thamnophis angustirostris* is transferred to this genus, **Lowe, Jr., C. H. (4).**

*Natrix anoscopus*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**

*Natrix chrysarga*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**

*Natrix cyclopion*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*N. cyclopion cyclopion*, Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—From Mississippi, **Smith, P. W. & List, J. C.**—Note

on aggregation, probably preliminary to mating, **Tinkle, D. W. & Liner, E. A.**—*N. c. floridana*, Of Florida, **Menne, H. A. L. (2).**

*Natrix ery[or]throgaster*, On sensory endings in striated muscle, **Cole, W. V. (1).**—*N. erythrogaster*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*N. e. erythrogaster*, On first record from Delaware (Selbyville, Sussex County); *e. transversa*, confirmed presence in New Mexico, **Conant, R. (3).**—*N. e. erythrogaster*, On so-called records from S. Maryland, **Cooper, J. E.**—*N. e. flavigaster*, Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—Aggregation, probably prior to mating, **Tinkle, D. W. & Liner, E. A.**—*N. e. neglecta*, New localities in Ohio, Mud Lake, N.W. Township, and Florence Township, both in Williams County, **Conant, R. (4).**—*N. e. transversa*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**

*Natrix grahami*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—Specimen, DOR, at S. Post, Garza County, Texas, may be range extension 175 miles West, **Ramsey, L. W.**—From Mississippi, **Smith, P. W. & List, J. C.**

*Natrix kirtlandi*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**

*Natrix mairii mairii*, Of Arnhem Land, Australia (N.T.), **Mitchell, F. J.**

*Natrix maura*, Of N. Sardinia, **Sochurek, E. (5).**

[*Natrix natrix*] Reported in Dorset, 1953, **Dalton, R. F.**—*N. natrix*, Recorded at Bryanston, Dorset, **Howard, D. W.**—On the egg-tooth, **Schnabel, R.**—The egg-tooth development, figures, **Schnabel, R. & Herschel, K.**—Preterminal part of urinary tube named 'segment sexuel,' differs in sexes, can be induced in ♀ by androgens, **Stenger, C.**—In Czechoslovakia, **Stépánek, O. (2).**—*N. n. natrix*, Of the Great Poland National Park, Poznań, **Berger, L.**—Reported in Cheshire, **Ellison, N. F.**—Of Woolwich area, England, **Rigdon, R. G.**—On recognition of prey, **Saint-Girons, H. (2).**—Effect of hyposectomy on seasonal testicular activity, **Vivien,**



J. & Stenger, C.—*N. n. natrix*, (Head figured); *n. helvetica*, In Germany, Doderlein, L.—*N. n. natrix* (Head figured), *n. helvetica*, Of Germany, general notes, Wermuth, H. in Streseman, E.—*N. n. helvetica*, Of Elba, figure, Mertens, R. (7).—*N. n. persa*, Of Cyclades, (Paros), Buchholz, K. F.

*Natrix piscator*, On neurosecretory cells of the brain, Ananthanarayanan, V.—Food habits observed; predominantly fish, also include frogs, crabs, beetles and flowers, Chacko, P. J. (1).—Oxyphoric capacity of blood, Nair S. G. (1).—Nitrogen content of blood, Nair, S. G. (2).—Specimens from Kodiang, Kedah, probably restricted to most northern states in Malaya, Tweedie, M. W. F.—*N. p. piscator*, Study on spermatogenesis, figures, Sud, B. N.—*N. p. asperrimus*, Of Ceylon, head figd., habits, Deraniyagala, P. E. P.—On the arterial system, figures, Silva, P. H. D. H. de (2).

*Natrix rhombifera*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).—Of Illinois, natural history notes, photograph, Parmalee, P. W.—*N. rhombifera rhombifera*, On variations of scale-counts in 3 litters, Boyles, J. M.—From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.—From Mississippi, Smith, P. W. & List, J. C.

*Natrix rigida*, First record for N. Carolina, Schwartz, A. & Etheridge, P.

*Natrix sanguinea*, Of Kuala Lumpur, habitat and numbers, Lim Boo-Liat.—From Dusun Wan, Selangor, 2000 feet; note on saliva toxic effect, Tweedie, M. W. F.

*Natrix septemvitata*, On so-called records from S. Maryland, Cooper, J. E.—Range in Canada, map, Logier, E. B. S. & Toner, G. C.—Of Illinois, natural history notes, photograph, Parmalee, P. W.—Of Maryland, Harford Cnty., Prince, Duppsstadt & Lyons.—On adrenal and body weights, Smith, H. M. & White, F. N.

*Natrix sipedon*, Study of adrenal gland, Hebard, W. B. & Charipper, H. A. (2).—Of Illinois, natural history notes, photograph, Parmalee, P. W.—*N. s. sipedon*, Study on serum protein, Cohen, E.—Of S. Maryland, Cooper, J. E.—Of Maryland, Harford Cnty., Prince, Duppsstadt & Lyons.—On adrenal and

body weights, Smith, H. M. & White, F. N.—*N. s. sipedon* (map), *s. insularum*, Ranges in Canada, Logier, E. B. S. & Toner, G. C.—*N. s. confluens*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).—On captive specimen, food, Klynstra, F. B. (2).—Of Bayou Tortue region, Lafayette Parish, Louisiana, Liner, E. A.—Notes on aggregations, probably preliminary to mating, Tinkle, D. W. & Liner, E. A.—*N. s. fasciata*; *s. clarkii*, From Mississippi, Smith, P. W. & List, J. C.—*N. s. pictiventris*, Of Florida, Menne, H. A. L. (2).—On colour changing (metachrosis), Neill, W. J. & Allen, E. R.

*Natrix stolata stolata*, Of Ceylon, head figd., habits, Deraniyagala, P. E. P.

*Natrix taxispilota*, On so-called records from S. Maryland, Cooper, J. E.—On anesthetic administration, Karlstrom, E. L. & Cook, S. F.

*Natrix tessellata*, Of Cyclades, (Seriphos), Buchholz, K. F.—In Germany, Doderlein, L.—On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).—From Iran, Schmidt, K. P. (4).—Of Germany, head figured, general notes, Wermuth, H. in Streseman, E.

*Natrix trianguligera*, Of Kuala Lumpur, habitat and numbers, Lim Boo-Liat.

*Natrix valida valida*, First melanistic example recorded; from Nayarit State, W. Mexico, Lewis, T. H. & Johnson, M. L.

*Natrix viperina*, On the penes, figd., Domergue, C. (1).

*Neopareas bicolor*, Of Costa Rica, head figured, photograph, Taylor, E. H.

*Neusterophis laevisissimus*, photograph, fig. of head, *olivaceus*, Of S. Africa, some habit notes, Rose, W. (1).—*N. variegatus*, Of Nimba reserve, French Guinea, Angel, Guibé, Lamotte & Roy.

*Oligodon*, On the dentition, evolution, Anthony, J.—Of Ceylon, key to species, *sublineatus*, *calamarius*, *arnensis albiventer* (head, teeth figd.), *taeniolatus fasciatus* (head figd.), Deraniyagala, P. E. P.—*O. octolineatus*; *purpurascens*, Of Kuala Lumpur, habitat and numbers, Lim Boo-Liat.—*O. signatus*, Colour

notes in life, from Singapore and Asahan Estate, Malacca, and Seremban, Negri Sembilan, Tweedie, M. W. F.

*Oophilositum fasciatum*, Of Nimba reserve, French Guinea, Angel, Guibé, Lamotte & Roy.

*Opheodrys aestivus*, From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.—Of Bayou Tortue region, Lafayette Parish, Louisiana, Liner, E. A.—*aestivus*, Of Florida, Menne, H. A. L. (2).—From Mississippi, Smith, P. W. & List, J. C.—*O. aestivus*; *vernalis*, Of Illinois, natural history notes, photograph, Parmalee, P. W.—*O. vernalis*, Study of adrenal gland, Hebard, W. B. & Charipper, H. A. (2).—*O. v. vernalis*, Range in Canada, map, Logier, E. B. S. & Toner, G. C.

*Ophibolus*, On vibration of tail as an excitement expression, Hediger, H.

*Opisthotropis kuatunensis*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).

*Oxybelis*, On the dentition, evolution, Anthony, J.—On tongue as fascinator organ, Hediger, H.—*O. auratus*, Mertens, R. (2).—*O. a. aeneus*, Of Trinidad, on feeding habits, Wehekind, L.—*O. aeneus auratus*, From Costa Rica Village, Sinaloa, Mexico, Smith, H. M. & Van Gelder, R. G.—From Sonora, Mexico, Zweifel, R. G. & Norris, K. S.—*O. fulgidus*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).—*O. fulgidus (acuminatus)*, Of Trinidad, on feeding habits, Wehekind, L.

*Oxyrhopus*, see also under *Cloelia* and *Pseudoboa*.

*Oxyrhopus p. petola*, Of Trinidad, on feeding habits, Wehekind, L.

*Pareas vertebralis*, Of Kuala Lumpur, on habitat and numbers, Lim Boo-Liat.

*Paroxyrhopus reticulatus*, Of Paraguay, Gatti, C.

*Passerita prasinus*, On adaptive and phylogenetic significance of vertebral form, Johnson, R. G. (2).

*Philodryas*, On the dentition, evolution, species examined, *serra*, *aestivus*, *matto grossense*, *olfersii*, *schotti*, Anthony, J.

*Philothamnus*:—[*Chlorophis*], On the dentition, evolution, Anthony, J.—(*Chlorophis*), key to species, *hoplogaster*, fig. of head, *neglectus*, *natalensis*, *irregularis*; some habit notes, Rose W. (1).—*C. heterodermus*, On the hemipenes, figd., Domergue, C. (1).—*C. irregularis irregularis*, Of S.W. Africa, Mertens, R. (3).—*C. irregularis battersbyi*, From Tanganyika T., Mertens, R. (9).—*P. heterodermus carinatus*; *h. heterodermus*, Of Nimba reserve, French Guinea, Angel, Guibé, Lamotte & Roy.—*P. heterolepidotus*, Of Anglo-Egyptian Sudan, Loveridge, A. (2).—*P. hoplogaster*; *semivariegatus semivariegatus*, From Tanganyika Territory, Loveridge, A. (1).—*P. irregularis*, Of Portuguese East Africa, habit notes, geographic range, coloured figure, Frade, F., & Manaças, S.—*P. i. irregularis*, Of Nimba reserve, French Guinea, Angel, Guibé, Lamotte & Roy.—Of Sierra Leone, some food notes, Lester, J. W.—Of Anglo-Egyptian Sudan, Loveridge, A. (2).—From Mut-sora region, Kivu Nord, Albert National Park, Witte, G. F. de.—*P. irregularis battersbyi*, Of Anglo-Egyptian Sudan, Loveridge, A. (2).—*P. semivariegatus semivariegatus*, Of Anglo-Egyptian Sudan, Loveridge, A. (2).—Figure, of S.W. Africa, Mertens, R. (3).—From Tanganyika T., Mertens, R. (9).

*Phrynonax*, On the dentition, evolution, Anthony, J.—*P. sulphureus*, *fasciatus*, *eutropis*—see under *Pseustes sulphureus* and *pocilonotus*.

*Phyllorhynchus browni browni*, Of Arizona, Duellman, W. E. (1).—*P. browni fortitus*, From Sonora, Mexico, Zweifel, R. G. & Norris, K. S.—*P. decurtatus decurtatus*, From Baja California; range extended 80 mls. N., (10 mls. S.E. Mesquital, 400 ft.), Murray, K. F.

*Pituophis*, On vibration of tail as an excitement expression, Hediger, H.—*P. catenifer*, Note on unusual item of food, scientific study skins, Erickson, M. M.—On anesthetic administration, Karlstrom, E. L. & Cook, S. F.—Of Illinois, natural history notes, photograph, Parmalee, P. W.—*P. catenifer catenifer*; *c. deserticola*; *c. sayi*, Ranges in Canada, maps, Logier, E. B. S. & Toner, G. C.—*P. c. annectens*, On arboreal habits in S. California, Cunningham, J. D. (2).—*P. c. annectens*;

*c. bimarisis*; *c. vertebralis*, From Baja California, **Murray, K. F.**—*P. c. affinis*, 13 years, 4 months; *c. annectens*, 15 years, 2 months; (albino), 13 years, 7 months; *c. catenifer*, 11 years, in captivity, **Perkins, C. B.**—*P. c. deserticolor*, In Union Cnty., new record, Oregon, **Ferguson, D. E.**—*P. c. sayi*, Of Montana, **Brunson, R. B.**—From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—*P. melanoleucus melanoleucus*, First record for Alabama, Chilton County, range extension, **Chermock, R. L.**—14 years, 5 months in captivity, **Perkins, C. B.**—*P. m. affinis*, Length of 2186 mm. (7 feet 2 inches) for specimen from Arizona, **Gates, G. O.**—*P. m. deserticola*, On body and adrenal weights, **Smith, H. M. & White, F. N.**—*P. m. lodingi*, Range extended 90 miles N. to 16 mls. E. of Coffeeville, Clarke Cnty., Alabama, **Keeler, J. E.**—*P. m. sayi*, From Mexico, **Chapliwy, P. S. & Fugler, C. M.**—On colour changing (metachrosis), **Neill, W. J. & Allen, E. R.**—*P. m. ruthveni*, New Louisiana locality records, **Fugler, C. M.**

*Phiocercus elapoides salvadorensis*, **Mertens, 1952**, additional remarks, **Mertens, R. (1).**

*Polemon*, On the dentition, evolution, **Anthony, J.**—*P. bocourti*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**

*Polyodontophis*, On the dentition, evolution, **Anthony, J.**

*Prosymna*, On the dentition, evolution, **Anthony, J.**—Key to species; *sundevallii*, fig. of head, *frontalis*, *ambigua*, *bergeri*, *jani*, **Rose, W. (1).**—Of S.W. Africa; *angolensis*, *frontalis* (*bergeri* Lindholm is a synonym), *sundevallii bivittata*, **Mertens, R. (3).**—*P. ambigua ambigua*, First published record for Anglo-Egyptian Sudan, **Loveridge, A. (2).**—*P. a. stuhlmanni*, From Tanganyika Territory, **Loveridge, A. (1).**—*P. bergeri* Lindholm is a synonym of *P. frontalis* Peters, **Mertens, R. (3).**—*P. meleagris*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—*P. pitmani*, Additional specimens from Liwale, Tanganyika Territory, **Loveridge, A. (1).**—*P. sundevalli* var. *bivittata* Werner is given subspecific status, **Mertens, R. (3).**

*Psammodynastes pictus*; *pulverulentus*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**

*Psammophis*, On S.W. Africa species, observations of species recorded 1910–1955; some figures; taxonomy, habit notes, **Mertens, R. (3).**—Key to S. Africa species; *notostictus*, figure, *furcatus* (*leightoni*) fig. of head, *transvaaliensis*, *trigammus*, *bocagii*, *sibilans*, figure, *brevirostris*, *jallae*, *crucifer*, figure, *angolensis*, some habit notes, **Rose, W. (1).**

*Psammophis angolensis*, From Tanganyika Territory, and food notes, **Loveridge, A. (1).**

*Psammophis biseriatus tanganicus*, From Kenya (Northern Frontier Division), **Battersby, J. C.**

*Psammophis jallae*, Of S.W. Africa, **Mertens, R. (3).**

*Psammophis leightoni trinasalis*, Of S.W. Africa, (*trinasalis* is here considered a synonym of *leightoni* and not of *sibilans*), **Mertens, R. (3).**

*Psammophis moniliger* var. *notostictus*, Peters is given specific status, **Mertens, R. (3).**

*Psammophis notostictus*, Figure, of S.W. Africa, **Mertens, R. (3).**

*Psammophis punctulatus trivirgatus*, From Kenya (Northern Frontier Division), specimen of 1,635 mm. total length, **Battersby, J. C.**—From Tanganyika T., **Mertens, R. (9).**

*Psammophis schokari*, On the hemipenes, **Domergue, C. (1).**

*Psammophis sibilans*, Figure, of S.W. Africa, **Mertens, R. (3).**—From Tanganyika T., **Mertens, R. (9).**—*P. s. sibilans*, On the dentition, **Anthony, J.**—Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*P. s. phillipsii*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—*P. s.* var. *trinasalis*, Werner is a subspecies of *P. leightoni*, **Mertens, R. (3).**

*Psammophis subtaeniatus subtaeniatus*, Of S.W. Africa, **Mertens, R. (3).**—*P. s. sudanensis*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—From Tanganyika T., **Mertens, R. (9).**

*Psammophis trigammus*, Of S.W. Africa, **Mertens, R. (3).**



*Psammophylax tritaeniatus tritaeniatus*, From Tanganyika Territory, **Loveridge, A. (1).**

*Pseudaspis cana*, Figures, of S.W. Africa, **Mertens, R. (3).**—Of S. Africa, notes on habits, photographs, fig. of head, **Rose, W. (1).**

*Pseudoboa*, On the dentition, evolution, species examined, *trigemina*, *clathrata*, *petola*, *cloelia*, **Anthony, J.**—*P. cloelia*, Of Paraguay, **Gatti, C.**—*P. (Oxyrhopus) coronatus*, Of Trinidad, feeding habits, **Wehekind, L.**—*P. guerinii*; *labialis*, Of Paraguay, **Gatti, C.**—*P. (Oxyrhopus) newi*, Of Trinidad, on feeding habits, **Wehekind, L.**—*P. occipitolutea*, Of Paraguay, **Gatti, C.**—*P. ornata*, sp. nov., From Forte de Coimbra, Pôrto Esperança, Matto Grosso, Brazil, *Senckenbergiana*, **Biol. 36, 5-6, 1955, p. 305, plates, Hoge, A. R. & Mertens, R.**—*P. petola*; *rhombifera*; *rustica*; *trigemina*, Of Paraguay, **Gatti, C.**

*Pseudorhabdion longiceps*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**

*Pseudotarborhis gabesi*, gen. & sp. nov., type locality:—Teboulbou, 5 km. S. of Gabes, Tunisia, **Bull. Soc. Hist. nat. Tunis, 8, 1-2, 1955, p. 119, 3 pls., Domergue, C. (2).**

*Pseudoxenodon*, On the dentition, evolution, **Anthony, J.**—*P. inornatus*, In captivity, neck inflation, figure, **Ruiter, L. C. de (2).**

*Pseustes poecilonotus polylepis (Phrynonax fasciatus and eutropis)*; *P. (Phrynonax) s. sulphureus*, Of Trinidad, on feeding habits, **Wehekind, L.**

*Ptyas korros*, Of Kuala Lumpur, on habitat and numbers, **Lim Boo-Liat.**—*P. mucosus*, Oxyphoric capacity of blood, **Nair, S. G. (1).**—Nitrogen content of blood, **Nair, S. G. (2).**—*P. mucosus maximus*, subsp. nov. type locality Pussellava, Ceylon, head figd., habits, *Serpentoid Rept.*, 3, Colombo, 1955, p. 27, **Deraniyagala, P. E. P.**

*Pythonodipsas carinata*, Of S.W. Africa, **Mertens, R. (3).**—S. Africa, fig. of head, **Rose, W. (1).**

*Rhadinea*, On the dentition, evolution, **Anthony, J.**—*R. crassa*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**—*R. flavilata*, From

Mississippi, **Smith, P. W. & List, J. C.**—*R. pinicola*, Mertens, 1952, additional remarks; *R. zilchi*, Mertens, 1952, additional remarks, **Mertens, R. (1).**

*Rhamphiophis*, On the dentition, evolution, **Anthony, J.**—*R. multimaculatus*, Of S.W. Africa, **Mertens, R. (3).**—S. Africa, habit notes, photograph, fig. of head, **Rose, W. (1).**—*R. oxyrhynchus rostratus*, From Tanganyika Territory, and breeding notes, **Loveridge, A. (1).**—From Anglo-Egyptian Sudan, **Loveridge, A. (2).**—*R. rostratus*, From Kenya (Northern Frontier Division), note on high sub-caudal range, **Battersby, J. C.**—*R. rubropunctatus*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—From Tanganyika T., **Mertens, R. (9).**

*Rhinocheilus lecontei lecontei*, *l. clarus*, Of Arizona, **Duellman, W. E. (1).**—*R. l. lecontei*, 13 years, 1 month in captivity, **Perkins, C. B.**—*R. l. antoni*; *l. lecontei*; *l. lecontei* × *l. clarus*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*R. l. tessellatus*, From Mexico, Chihuahua State first record, **Chrapliwy, P. S. & Fugler, C. M.**—From N.W. Texas, with food note, **Fouquette, M. J. & Lindsay, H. L.**

*Rhinostoma guianense*, Of Paraguay, **Gatti, C.**

*Salvadora hexalepis hexalepis*; *h. deserticola*, Of Arizona, **Duellman, W. E. (1).**—*S. h. deserticola*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*S. h. klauberi*, From Baja California, **Murray, K. F.**

*Scaphiodontophis cyclurus*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Scaphiophis albopunctatus albopunctatus*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**

*Scytale coronata*, Of Paraguay, **Gatti, C.**

*Sibon (Petalognathus or Dipsas) nebulatus*, Of Trinidad, on feeding habits, **Wehekind, L.**

*Sibynomorphus* see under *Dipsas*.

*Sibynophis collaris*, Of Madagascar, **Mertens, R. (2).**—*S. melanocephalus*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat.**—*S. subpunctatus*, Of Ceylon, head figd., **Deraniyagala, P. E. P.**

*Simophis rhinostoma*, Of Paraguay, Gatti, C.—On Butantan specimens, Mertens, R. (10).—*S. rohdei*, Of Paraguay, Gatti, C.

*Simotes*, On the dentition, evolution, Anthony, J.

*Siphilophis (Lycognathus) c. cervinus*, Of Trinidad, Wehekind, L.

*Sonora aemula*, From Guirocoba, and Alamos, Sonora, Mexico, Zweifel, R. G. & Norris, K. S.—*S. e. episcopa*, From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.—*S. semiannulata blanchardi*, From Coahuila, Mexico, range extended 300 miles S.W., Thompson, F. G.

*Spalerosophis shirazianus*, From Iran, Schmidt, K. P. (4).

*Spilotes*, On vibration of tail as excitement expression, Hediger, H.—*S. pullatus*, Of Paraguay, Gatti, C.—Obtained in banana shipment, Oliver, J. A. (4).—*S. p. pullatus*, Of Trinidad, on feeding habits, Wehekind, L.

*Stegonotus*, On the dentition, evolution, Anthony, J.

*Stenophis granuliceps*, Photograph, of Madagascar, Mertens, R. (2).

*Storeria dekayi*, Of Purpleville Project Area, York Co., Ontario, Francis, G.—Of Illinois, natural history notes, photograph, Parmalee, P. W.—On litter of 22, which included specimen with 1 head and 2 bodies, Triplehorn, C. A.—*S. dekayi dekayi*, Range in Canada, map, Logier, E. B. S. & Toner, G. C.—Of Maryland, Harford Cnty., Prince, Duppsstadt & Lyons.—*S. d. texana*, From N.W. Texas, Fouquette, M. J. & Lindsay, H. L.—*S. hidalgoensis*, From S.W. Tamaulipas, Mexico, new state record, Martin, P. S.—*S. occipitomaculata*, Of Purpleville Project Area, York Co., Ontario, Francis, G.—*S. occipitomaculata occipitomaculata*, Of S. Maryland, Cooper, J. E.—Range in Canada, map, Logier, E. B. S. & Toner, G. C.—From Mississippi, Smith, P. W. & List, J. C.

*Tantilla brevicauda*, Mertens, 1952, additional remarks, Mertens, R. (1).—*T. coronata coronata*, From Mississippi, Smith, P. W. & List, J. C.—*T. gracilis*, Of Illinois, natural history notes, photograph, Parmalee, P. W.—*T. melanocephala*, Of Paraguay, Gatti, C.—*T. (Homalocranium) melanocephalum*,

Of Trinidad, on feeding habits, Wehekind, L.—*T. nigriceps*, From N.W. Texas, with notes on intergrades, Fouquette, M. J. & Lindsay, H. L.—*T. rubra*, From S.W. Tamaulipas, Mexico, new State record, Martin, P. S.—*T. yaquia*, From Costa Rica Village, Sinaloa, Mexico, Smith, H. M. & Van Gelder, R. G.—*T. yaquia yaquia*, From Sonora, Mexico, head figures, Zweifel, R. G. & Norris, K. S.

*Tarbophis*, On the dentition, evolution, Anthony, J.—*T. algirus*, *T. fallax (vivax)*, Of Malta, Lanfranco, G. G.—*T. semiannulatus*, S. Africa, habit notes, photograph, fig. of head, Rose, W. (1).

*Telescopus*, Of S.W. Africa, *beetzii*, figure; *semiannulatus semiannulatus*, figure; *s. polystictus*, figure, Mertens, R. (3).—*T. dhara obtusus*, Of Anglo-Egyptian Sudan, Loveridge, A. (2).—*T. fallax*, Notes on effect of venom on *Anguis fragilis*, Blackwell, K.—*T. fallax fallax*, Of Seriphos Id., Cyclades head fig.; *f. christianus*, subsp. nov., type locality, Insel Christiana, S.W. of Santorin, Cyclades, head figd., Bonn. zool. Beitr. 6, 1955, p. 102, Buchholz, K. F.—*T. semiannulatus semiannulatus*, From Tanganyika Territory, Loveridge, A. (1).—From Tanganyika T., Mertens, R. (9).

*Tetralepis*, On the dentition, evolution, Anthony, J.

*Thalerophis cyrtopsis cyclides*, *eques eques*, *scalaris scalaris* on p. 73 of Record 1953 should be under *Thamnopis* [Recorder].—*T. richardi coeruledorsus*, Of Trinidad, on feeding habits, Wehekind, L.

*Thamnophis*, On brain chorioid plexuses, figd., Hilton, W. A.—On adrenal and body weights, species examined, *ordinatus*, *marcianus nigrilatis*, Smith, H. M. & White, F. N.

*Thamnophis angustirostris*, Of Arizona, Duellman, W. E. (1).—Of Arizona and N.W. Mexico should be referred to *rufipunctatus*, Smith, H. M. (2).—*T. angustirostris*, On generic status; is undoubtedly a *Natrix* and should be *Natrix angustirostris*, Lowe, Jr., C. H. (4).

*Thamnophis butleri*, Range in Canada, map, Logier, E. B. S. & Toner, G. C.

*Thamnophis cyrtopsis*, From S.W. Tamaulipas, Mexico, new State record, **Martin, P. S.**—*T. c. cyrtopsis*, Of Arizona, **Duellman, W. E.** (1).—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*T. c. cyrtopsis*; *c. cyclides*, From Mexico, **Chapliwy, P. S. & Fugler, C. M.**—*T. c. cyclides*, From Costa Rica Village, Sinaloa, Mexico, **Smith, H. M. & Van Gelder, R. G.**

*Thamnophis digueti*, From Baja California, (4th locality; just below Concepcion Bay; 23 mls. N. Cornondu), **Murray, K. F.**

*Thamnophis elegans*, On anesthetic administration, **Karlstrom, E. L. & Cook, S. F.**—*T. e. elegans*, Ecology of an isolated population in San Bernardino Mtns., 500 ft. +, California, **Cunningham, J. D.** (1).—*T. e. hammondi*, On arboreal habits in S. California, **Cunningham, J. D.** (2).—*T. e. hammondi*; *e. hueyi*, From Baja California, **Murray, K. F.**—*T. e. vagrans*, Of Montana, **Brunson, R. B.**—In Union Cnty., new record, Oregon, **Ferguson, D. E.**—Food items consisting of fish and of cooked chicken, **Storm, R. M. & Ferguson, D. E.**—*T. e. vagrans*; *e. nigrescens*, Range in Canada, maps, **Logier, E. B. S. & Toner, G. C.**

*Thamnophis eques*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G.** (2).—*T. e. megalops*, From Mexico, first record for Coahuila, **Chapliwy, P. S. & Fugler, C. M.**—First specific Sonora locality, 26.8 mls. S. Nogales, **Zweifel, R. G. & Norris, K. S.**

*Thamnophis marcianus nigrolateris*, Of Arizona, **Duellman, W. E.** (1).—From N.W. Texas, with food note, **Fouquette, M. J. & Lindsay, H. L.**—*T. m. marciana* × *m. nigrolateris*, From Coahuila, Mexico, **Thompson, F. G.**

*Thamnophis mendax*, sp. nov., type locality:—near La Joya de Salas, Tamaulipas, ± 6000 ft., allied to *elegans* group, Copeia 1955, p. 110, fig. of dorsal pattern, **Walker, C. F.** (2).—From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**

*Thamnophis multimaculatus* should be referred to synonymy of *rufipunctatus*, **Smith, H. M.** (2).

*Thamnophis ordinatus*, Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—*T. o. ordinatus*, From Mississippi, **Smith, P. W. & List, J. C.**

*Thamnophis ordinoides*, Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**

*Thamnophis radix* Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*T. r. haydeni*, Of Montana, **Brunson, R. B.**—First record, from N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**

*Thamnophis rufipunctatus*, Note on effect of preservation upon pattern, photographs; Arizona and N.W. Mexico *Thamnophis* should be referred to as *rufipunctatus* (*multimaculatus* is a synonym) and not *angustirostris*, which is a N.C. Mexico form, **Smith, H. M.** (2).

*Thamnophis sauritus*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*T. s. sauritus*, Range in Canada, map, **Logier, E. B. S. & Toner, G. C.**—*T. s. proximus*, From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G.** (2).—Of Bayou Tortue region, Lafayette Parish, Louisiana, **Liner, E. A.**—Aggregation, probably prior to mating, **Tinkle, D. W. & Liner, E. A.**

*Thamnophis sirtalis*, From N.W. Texas, with food notes, scale counts, first record from Texas Panhandle, **Fouquette, M. J. & Lindsay, H. L.**—Of Purpleville Project Area, York Co., Ontario, **Francis, G.**—Study of adrenal gland, **Hebard, W. B. & Charipper, H. A.** (2).—On anesthetic administration, **Karlstrom, E. L. & Cook, S. F.**—Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—[*T. sirtalis*], On behaviour of a "Ball of Gartersnakes" in Connecticut, **Gardner, J. B.**—*T. s. sirtalis*, Embryonic growth in relation to fertilization date and placental function, **Clark, H., Florio, B. & Hurowitz, R.**—Of Maryland, Harford Cnty., **Prince, Dupstadt & Lyons.**—From Mississippi, **Smith, P. W. & List, J. C.**—Mid-winter litter of 36, **Triplehorn, C. A.**—*T. s. sirtalis*, *s. parietalis*, *s. subsp.*, Ranges in Canada, maps, **Logier, E. B. S. &**



**Toner, G. C.**—*T. s. fitchi*, In Union Cnty., new record, Oregon, **Ferguson, D. E.**—*T. s. parietalis*, Of Montana, **Brunson, R. B.**—*T. s. tetrataenia*, On mating aggregation during Nov. in California, **Fox, W.**

*Thamnophis sumichrasti fulvus*, First definite record from Mexico (Soconusco, Chiapas), **Smith, H. M. & Burger, W. L.**

*Thelotornis kirtlandii*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—On the hemipenes, figd., **Domergue, C. (1).**—On use of tongue as a fascinator organ, **Hediger, H.**—Of Sierra Leone, some habit notes, **Lester, J. W.**—Note on captive, food, chamaeleons and amphibia, photograph, **Nagtegaal, J. A. (2).**—Photograph, fig. of head, *capensis*, Of S. Africa, habit notes, **Rose, W. (1).**—*T. k. kirtlandi*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*T. k. capensis*, From Tanganyika Territory, with notes on food and venom, **Loveridge, A. (1).**—Of S.W. Africa, **Mertens, R. (3).**

*Thrasops*, On the dentition, evolution, **Anthony, J.**—*T. jacksoni jacksoni*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Tomodon*, On the dentition, evolution, species examined, *ocellatus*, *dorsatus*, **Anthony, J.**—*T. dorsatum*; *ocellatus*, Of Paraguay, **Gatti, C.**

*Trimerrorhinus*, On the dentition, evolution, **Anthony, J.**—*T. rhombeatus*, fig. of head, *tritaeniatum*, Figures, of S. Africa, habit notes, **Rose, W. (1).**

*Trimorphodon lambda*, From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*T. lyrophanes*, In Arizona, found sheltering under camping ground sheet, **Peterson, E. L. & Wood, S. F.**—*T. paucimaculatus*, From Nayarit State, W. Mexico, **Lewis, T. H. & Johnson, M. L.**—*T. upsilon*, First record from Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**—*T. vandenburghi*, First recorded specimen from Baja California, (10 mls. N. Arroyo Seco), **Murray, K. F.**

*Tropidoclonion lineatum*, Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—*T. l. lineatum*, range extended and new record for New Mexico, **Maslin, T. P. & Koster, W. J.**

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*Trypanurgus compressus*, Of Trinidad, on feeding habits, **Wehekind, L.**

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*psammophis*, From Monte Bello Islands, **Hill, F. L.**—*D. p. psammophis*, Of Arnhem Land, Australia (N.T.), **Mitchell, F. J.**

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*Dendroaspis polylepis*, Of S. Africa, photograph, habit notes, fig. of head, **Rose, W. (1).**—*D. p. polylepis*, From Tanganyika Territory, with note on hood spreading, **Loveridge, A. (1).**—First published record for Anglo-Egyptian Sudan, **Loveridge, A. (2).**—Of S.W. Africa, **Mertens, R. (3).**

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*Furina*, On presence of post-frontal, **Kinghorn, J. R.**

*Elaps*, see under *Micrurus*.

*Elapsoidea*, On the dentition, evolution, **Anthony, J.**—Key to S. African species, *guentherii, sundevallii* fig. of head, *decosteri*, some habit notes, **Rose, W. (1).**—*E. sundevallii decosteri*, From Tanganyika Territory, **Loveridge, A. (1).**—*E. sundevallii fitzsimonsi*, Of S.W. Africa, **Mertens, R. (3).**—*E. sundevallii guntheri*, From Tanganyika

T., Mertens, R. (9).—*E. sundevallii laticincta*, From Anglo-Egyptian Sudan, Loveridge, A. (2).

*Glyphodon*, On the dentition, evolution, Anthony, J.—*G. dunmalli*, sp. nov., types from Glenmorgan and Gayndah, Queensland, N.S.W. p. 41, 5 figures, Proc. R. Zool. Soc. N.S.W. 1953–54 [1955], Worrell, E.

*Hamadryas*, On the dentition, evolution, Anthony, J.

*Hemachatus*, On the dentition, evolution, Anthony, J.—*H. haemachatus*, 11 years, 9 months in captivity, Perkins, C. B.—Photograph, fig. of head, S. Africa, on habits, spitting, Rose, W. (1).

*Hoplocephalus*, On the dentition, evolution, Anthony, J.

*Maticora*, Remarks on danger to man, Smith, M.—*M. bivirgata*; *intestinalis*; Of Kuala Lumpur, habitat and numbers, Lim Boo-Liat.

*Micropechis*, On the dentition, evolution, Anthony, J.

*Micruroides euryxanthus euryxanthus*, Distributional map; *M. euryxanthus anstralis*, subsp. nov., Type locality: Guirocoba, Sonora, Mexico, Amer. Midl. Nat. 54, 1, 1955, p. 51, figured, Zweifel, R. G. & Norris, K. S.

*Micrurus*, On the Colombian forms, with keys to species and subspecies, Schmidt, K. P. (1).—Of Paraguay, list of species, habits, vernacular names, etc., Gatti, C.—On the dentition, evolution, species examined, *lemniscatus*, *frontalis*, *fulvius*, *marcgravi*, Anthony, J.

*Micrurus ancoralis jani*, Range, the Choso region of Colombia, north ward to Panama, Schmidt, K. P. (1).

*Micrurus carinicaudus carinicaudus*, Ranges N.W. Venezuela to Santander Norte, Colombia, and intergrades in Cundinamarca; *c. antioquiensis*, range restricted to Cauca Valley, Colombia; *c. transandinus*, ranges the Choco region W. of the Andes from the Gulf of Urabá to Ecuador, Schmidt, K. P. (1).

*Micrurus corallinus*, Of Paraguay, habit notes, Gatti, C.—Of Trinidad, on feeding habits, Wehekind, L.

*Micrurus diatema distans*, From Sonora, Mexico, habit note, Zweifel, R. G. & Norris, K. S.

*Micrurus dissoleucus*, Figures of head and colour patterns, key to subspecies:—*d. dissoleucus*, range, N.E. Colombia (N. Santander) eastward through N. Venezuela to Caracas; *d. melanogenys*, (colour pattern figures), confined to the Santa Marta region in N.E. Colombia; *d. nigrirostris*, subsp. nov., type locality, Barranquilla, Colombia (p. 355) *d. dunni*, range Panama from the Canal Zone eastward, the eastern boundary unknown, perhaps extending into Colombia; Fieldiana, Zool. 34, 1955, p. 5, Schmidt, K. P. (1).

*Micrurus dorsalis*, Habit notes, fig. of head, Rose, W. (1).

*Micrurus dumerili*, Ranges from Cartagena to the Santa Marta region, S. to Santander do Norte, Colombia, Schmidt, K. P. (1).

*Micrurus ecuadorianus sangilensis*, Range confined to region between the Cordillera Central and the Cordillera Oriental, N. Colombia, Schmidt, K. P. (1).

*Micrurus filiformis*, Range, known throughout the N. Amazon basin, absent in the Guianas, reaching Colombia along the Putumayo and Caquetá rivers, northward to Villavicencio at the headwaters of the Meta, Schmidt, K. P. (1).

*Micrurus frontalis*, Of Paraguay, habits, etc., Gatti, C.—Observations on venom, Vital Brazil, O. & Barrio, A.

*Micrurus f. fulvius*, Of Florida, Menne, H. A. L. (2).—Description of the eggs, Telford, S. R. (2).—*M. fulvius tenere*, Natural history notes, Sochurek, E. (2).—On body and adrenal weights, Smith, H. M. & White, F. N.

*Micrurus hemprichi ortonii*, Range the region of the upper Amazon, Schmidt, K. P. (1).

*Micrurus ibibobaca*, Of Paraguay, habits, etc., Gatti, C.

*Elaps lacteus*, Habit notes, fig. of head, Rose, W. (1).

*Micrurus langsdorffii*, Of Paraguay, habits, etc., Gatti, C.

*Micrurus lemniscatus*, Of Paraguay, habits, etc., Gatti, C.—Range the Amazon and Orinoco basins, extending to Trinidad and the Guianas; the species reaches Colombia along the



Putumayo and Caquetá rivers and occurs at Villavicencio, in the drainage of the Meta, **Schmidt, K. P. (1)**.—Of Trinidad, on feeding habits, **Wehekind, L.**

*Micrurus mipartitus mipartitus*, Colombia west and south of Santa Marta Mtns.; *m. multifasciatus*, Nicaragua to Panama; *m. semipartitus*, Santa Marta region eastwards to Caracas, Venezuela, **Schmidt, K. P. (1)**.

*Micrurus nicefori*, **sp. nov.**, type locality, Villavicencio, Cundinamarca, Colombia, Fieldiana, Zool. 34, 1955, p. 346, 2 figures, **Schmidt, K. P. (1)**.

*Micrurus nigrocinctus* [?], Action of self inflicted bite, **Lundy, W. E.**—*M. nigrocinctus mosquitensis*, Ranges Caribbean slopes of C. America from Costa Rica to N.W. Colombia, **Schmidt, K. P. (1)**.

*Micrurus psyches*, Range, the Guiana region to the Orinoco Basin, and in the Meta drainage at Villavicencio, Colombia, **Schmidt, K. P. (1)**.

*Micrurus ornatissimus*, Ranges the region of headwaters of the Amazon, from Rio Caquetá in Colombia to S. Peru, **Schmidt, K. P. (1)**.

*Micrurus spixi obscurus*, The species ranges throughout the Amazon Basin, but is absent from the Guianas and most of Venezuela; *s. obscurus* ranges from N. Bolivia through Amazonian Peru and Ecuador to Colombia, **Schmidt, K. P. (1)**.

*Micrurus surinamensis surinamensis*, Range, the headwaters of the Amazon tributaries, northward to Villavicencio (Orinoco drainage); the Guiana region, **Schmidt, K. P. (1)**.

*Naja*, Of Ceylon, **Deraniyagala, P. E. P.**—On the dentition, evolution, species examined, *naja, haje, hannah, nigricollis, tripudians*, **Anthony, J.**

*Naja anchietae*, S. Africa, some notes on habits, **Rose, W. (1)**.

*Naja haje*, Analysis of venom, **Fischer, F. G. & Neumann, W. P. (3)**.—Of Miqurtinia, Somaliland, **Scortecci, G.**—On the hemipenes, figd., **Domergue, C. (1)**.—From Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—*N. haje anchietae, h. annulifera*, Of S.W. Africa, **Mertens, R. (3)**.—*N. haje* var. *annulifera* Peters is given subspecific status, **Mertens, R. (3)**.

[*Naia hannah*], Photographs and notes on eggs laid, hatched, young being reared in New York Zoo., **Dunton, S. (2)**.—*N. hannah*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat**.—On specimen 15 feet 7 inches, weight 26½ lbs, from Island Golf Club, Singapore, **Tweedie, M. W. F.**

*Naja melanoleuca*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy**.—Of Sierra Leone, some habit notes, **Lester, J. W.**—From Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—From Tanganyika T., **Mertens, R. (9)**.—On venom of Belgian Congo specimens, **Neujean, G.**—26 years, 3 months in captivity, **Perkins, C. B.**—S. African, some notes on habits, **Rose (1)**.—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de**.—*N. m. subfulva*, **subsp. nov.** (p. 132), type locality: Lwiro, 1850 m. Terr. de Kabare, Kivu, Belgian Congo, paratypes from Belgian Congo, Tanganyika T., Low Congo; N. Rhodesia, **Rev. Zool. Bot. afr. 51, 1955, Laurent, R. F. (2)**.

*Naja naja*, On the dentition, **Anthony, J.**—Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat**.—Oxyphoric capacity of blood, **Nair, S. G. (1)**.—Nitrogen content of blood, **Nair, S. G. (2)**.—Of India, on bite and mortality numbers, **Smith, M.**—On specimen from Baling, Kedah, probably referable to form *kaouthia* in colour, **Tweedie, M. W. F.**—Observations on venom, **Vital Brazil, O. & Barrio, A.**—Note on food intake and sloughing, **Waters, J. P. J.**—*N. naja*, 12 years, 4 months; *n. atra*, 10 years, 3 months in captivity, **Perkins, C. B.**—*N. naja naja*, On the orbito-temporal space; suggests affinity between lizards and snakes, fig., **Bhargava, S. C.**—Study on serum protein, **Cohen, E.**—Of Ceylon, on systematics, colour pattern, coloured plate; photographs of mongoose and cobra combat, habits, **Deraniyagala, P. E. P.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.

*Naja nigricollis*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy**.—On the dentition, **Anthony, J.**—Analysis of venom, **Fischer, F. G. & Neumann, W. P. (3)**.—Of Portuguese

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*Naja nivea*, On the dentition, **Anthony, J.**—Figure, of S.W. Africa, **Mertens, R. (3)**.—15 years, 3 months in captivity, **Perkins, C. B.**—Figure, S. Africa, some notes on habits, **Rose, W. (1)**.

*Naia tripudians*, Observations on serological interactions of blood with human blood, **Bird, G. W. G.**—*N. t. tripudians*, On spermatogenesis, figures, **Sud, B. N.**

*Notechis*, On the dentition, evolution, **Anthony, J.**—*N. scrutatus*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—Is common on some of the Furneaux Islands, Tasmania, **Mackay, R. D.**

*Ogmodon*, On the dentition, evolution, **Anthony, J.**

*Ophiophagus hannah*, 11 years, 10 months in captivity, **Perkins, C. B.**

*Oxyuranus scutellatus*, Of Arnhem Land, Australia (N.T.), **Mitchell, F. J.**

*Parademansia*, gen. nov., for *Pseudechis (Diemenia) microlepidota* McCoy, 1879, type locality:—Murray and Darling Rivers, Rec. Aust. Mus. **23**, 5,

1955, p. 285, head figd., *Pseudechis ferox* MacL. is considered a synonym, **Kinghorn, J. R.**

*Pseudechis*, On the dentition, evolution, **Anthony, J.**—Revision of the genus:—*ferox* and *microlepidotus* are identical and may not belong in this genus; key to species *australis*, note on age variation in form [*cupreus*, *darwinensis*, *denisonioides*, *platycephalus* are synonyms]; *porphyriacus*; *colletti*; *papuanus*; *guttatus*; (photographs); **Mackay, R. D.**—*P. australis*, Of Arnhem Land, Australia (N.T.), **Mitchell, F. J.**—*P. ferox*, type lost, species now considered a synonym of *microlepidotus*, **Kinghorn, J. R.**—*P. microlepidotus*, Now referred to a new genus *Parademansia*, **Kinghorn, J. R.**—*P. porphyriacus*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.

*Pseudelaps*, On the dentition, evolution, **Anthony, J.**—*P. christeanus*? From Monte Bello Islands, **Hill, F. L.**

*Pseudohaja*, On the dentition, evolution, **Anthony, J.**—*P. goldii*, Of S.W. Africa, **Mertens, R. (3)**.

*Rhynchoelaps*, On taxonomic changes, species included, *bertholdi* (head fig.), *fasciolatus* (head fig.), *approximans*, **Kinghorn, J. R.**—*R. bertholdi*, At Queen Victoria Spring, W. Australia, **Slater, P. & Lindgren, E.**

*Sepedon*, On the dentition, evolution, **Anthony, J.**

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*Astrotia*, On the dentition, evolution, **Anthony, J.**—*A. stokesi*, Of Ceylon, photograph, habits, **Deraniyagala, P. E. P.**—From Monte Bello Islands, **Hill, F. L.**

*Distira*, On the dentition, evolution, **Anthony, J.**—*D. cyanocincta*, Oxyphoric capacity of blood, **Nair, S. G. (1).**—Nitrogen content of blood, **Nair, S. G. (2).**

*Enhydrina*, Remarks on venom, **Smith, M.**—*E. schistora*, Anatomy described; venom, sex-dimorphism, etc., **Bergman, R. A. M. (3).**—Of Ceylon, **Deraniyagala, P. E. P.**—Endocrinology of reproduction, **Kehl, R. & Combescot, C.**

*Hydrophis*, On the dentition, evolution, species examined, *torquatus*, *elegans*, *cyanocinctus*, *klossi*, **Anthony, J.**—Of Ceylon, key to species, *spiralis*, (habits), *cyanocinctus* (head figd.), (habits), *lapemoides*, *stricticollis*, *ornatus ornatus* (head figd.), **Deraniyagala, P. E. P.**—*H. belcheri*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—*H. elegans*, Of Arnhem Land, (N.T.), Australia, **Mitchell, F. J.**—*H. elegans*; *ornatus ocellatus*, From Monte Bello Islands, **Hill, F. L.**

*Kerilia jerdoni jerdoni*, Of Ceylon, **Deraniyagala, P. E. P.**

*Lapemis curtus*, Study on serum protein, **Cohen, E.**—Of Ceylon, habits, **Deraniyagala, P. E. P.**

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*Microcephalophis gracilis*, Of Ceylon, photograph, **Deraniyagala, P. E. P.**

*Pelamis platurus*, Of Portuguese East Africa, habit notes, range, coloured figure, **Frade, F. & Manaças, S.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—Of S. Africa, general notes, photograph, **Rose, W. (1).**—Of Ceylon, colour varieties mentioned, *bicolor* **Schneider**; *brunnea*; *maculata* **Jan**; *fasciata*; *leucostriata*; *neurileucura*; *neuricatenata*; *subobscura*; *tricolor*; *pallida*, **Deraniyagala, P. E. P.**

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*Leptotyphlops*, Observations on, and figures of, external limb vestiges, **List, J. C.**—Of S.W. Africa, key to *conjunctus* *distanti*, *scutifrons*, *labialis*, **Mertens, R.**

(3).—Key to species of S. Africa, *nigricans*, *conjuncta*, *gracilior*, *scutifrons*, *distanti*, *labialis*, **Rose, W. (1).**

*Leptotyphlops albifrons*, Of Paraguay, **Gatti, C.**

*Leptotyphlops ater*, Of Costa Rica, **Taylor, E. H.**

*Leptotyphlops cairi*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**

*Leptotyphlops conjuncta conjuncta*, From Tanganyika Territory, **Loveridge, A. (1).**

*Lyptotyphlops dulcis*; From N.W. Texas, **Fouquette, M. J. & Lindsay, H. L.**

*Leptotyphlops emini emini*, First published record for Anglo-Egyptian Sudan, **Loveridge, A. (2).**

*Leptotyphlops humilis cahuilae*, On external limb vestiges, figures, **List, J. C.**—*L. humilis cahuilae*: *h. sleveni*, From Baja California, **Murray, K. F.**

*Leptotyphlops myopica dissecta*, From N.W. Texas, 1st Texas Panhandle record, **Fouquette, M. J. & Lindsay, H. L.**

*Leptotyphlops nigricans*, On vestiges of external limbs, **List, J. C.**

*Leptotyphlops tenella (albifrons)*, Of Trinidad, feeding habits, **Wehckind, L.**

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*Typhlops*, On Bimini Id., species, **Richmond, N. D.**—Of Ceylon, key to species, *mirus*, (head fig.), *porrectus*, *braminus* (head figd.), *leucomelas* (head figd.), *lankaensis*, included with proviso, *ceylonicus*, *violaceus*, *malcolmi*, *tenebrarum*, *veddae*, **Deraniyagala, P. E. P.**—Key to S.W. Africa species; the following are mentioned with some notes; *bibronii*, *boylei*, *lalandei*, *schinzi*, *schlegelii mucroso*, **Mertens, R. (3).**—Key to species of S. Africa; *verticalis*, *fornasinii*, *mossambicus*, *anchietae*, *bibroni*, *delalandii*, *mucroso*, *dinga*, *schleglii*, *schinzi*, **Rose, W. (1).**

*Typhlops albiceps*, Specimens from Kedah and Jarak Id., Malacca Strait, **Tweedie, M. W. F.**



*Typhlops angeli*, Of Nimba reserve, French Guinea, head figd., **Angel, Guibé, Lamotte & Roy.**

*Typhlops biminiensis*, sp. nov., Type locality, near Nixon's Harbor, on trail to "Buck Lands," S. Bimini Id., Bahama Ids., B. West Indies, Amer. Mus. Novit. No. 1734, 1955, p. 2, head figured, habits noted, **Richmond, N. D.**

*Typhlops blanfordii lestradei*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Typhlops braminus*, Of Kuala Lumpur, on habitat and numbers, **Lim Boo-Liat.**—From Tanganyika Territory, **Loveridge, A. (1).**

*Typhlops congicus*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Typhlops jamaicensis*, The skeleton, figures, **Evans, H. E.**

*Typhlops lumbricalis*, Notes on Bimini Id., B.W. Indies species, **Richmond, N. D.**

*Typhlops pallidus*, First published record for Anglo-Egyptian Sudan, maximum total length increased to 276.5 mm., **Loveridge, A. (2).**

*Typhlops punctatus punctatus*, Of Nimba reserve, French Guinea. **Angel, Guibé, Lamotte & Roy.**—Of Angola, **Hellmich, W. (1).**—Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Typhlops reticulatus*, Of Paraguay, **Gatti, C.**—Of Trinidad, feeding habits, **Wehekind, L.**

*Typhlops schlegelii brevis*, Of Anglo-Egyptian Sudan, **Loveridge, A. (2).**—*T. s. mucroso*, From Tanganyika Territory, **Loveridge, A. (1).**

*Typhlops tenuis*, Specimen listed by Rosén in 1911 from Andros is probably *lumbricalis*, **Richmond, N. D.**

*Typhlops tettensis tettensis*, From Tanganyika Territory, **Loveridge, A. (1).**

*Typhlops vermicularis*, From Naxos Id., Cyclades, **Buchholz, K. F.**—From Iran, **Schmidt, K. P. (4).**—Notes on natural history, pairing, figures, **Richter, R.**

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*Platyplectrurus madurensis ruhunae*, Of Ceylon, head and tail figd., **Deraniyagala, P. E. P.**

*Rhinophis*, Of Ceylon, key to species, *blythi* (head figd.), *drummondhayi*, *grandis* (head figd.), *oxyrhynchus*, *punctatus* (figured), *dorsimaculatus* (coloured plate), *philippinus*, *homolepis*, **Deraniyagala, P. E. P.**

*Uropeltis* (*Siluboura*), Of Ceylon; key to species; *ruhunae* (heads, tail figured, photograph), *melanogaster*, *philipsi*, **Deraniyagala, P. E. P.**—*U. macrolepis mahabeshwarensis*, subsp. nov., from Mahabeshwar, Satara District, Bombay, app. 4,500 ft., **J. Bombay nat. Hist. Soc. 52, 4, 1955, p. 901, Chari, V. K.**

#### VIPERIDAE

On mainly South African forms, keys, illustrations, general notes, semi-popular, **Rose, W. (1).**—Key to S.W. Africa genera and species, some figures, taxonomy, habit notes, **Mertens, R. (3).**—Of Ceylon, key to genera, **Deraniyagala, P. E. P.**—Anatomical evolution of the venom apparatus, figures, **Anthony, J.**—Check list of Canada and Alaska Crotalidae, vernacular names, maps, **Logier, E. B. S. & Toner, G. C.**

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*Agkistrodon*, On the dentition, evolution, **Anthony, J.**—Of Ceylon, key to species, *hypnale* (coloured plate, head figd.), venom notes, *nepa*, **Deraniyagala, P. E. P.**—Remarks on danger to man, **Smith, M.**

*Ancistrodon contortrix*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—On anesthetic administration, **Karlstrom, E. L. & Cook, S. F.**—Of Florida, **Menne, H. A. L. (2).**—Of Illinois, natural history notes, photograph, **Parmalee, P. W.**—Neutralization of venom by serum from *Elaphe quadrivirgata*, **Philpot, V. B.**—*A. contortrix contortrix*, Food checked at Fort Benning, Georgia consisted of mammals, lizards, snakes, turtle, insects, birds, **Hamilton, W. J., Jr. & Pollack, J. A.**—Of Bayou Tortue region, Lafayette

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*Ancistrodon hypnale*, On use of tail as a fascinator organ, **Hediger, H.**

*Ancistrodon mokeson*, On use of tail as a fascinator organ, **Hediger, H.**—*A. mokeson*, Natural history notes, the following subspecies mentioned, *m. austrinus* photo; *m. mokeson*, photo; *m. laticinctus*, photo., **Sochurek, E. (2).**—*A. m. cupreus*; *m. mokeson*, Study on serum protein, **Cohen, E.**

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*Aspis cerastes*, On territory and individual space, photograph, **Guibé, J. & Saint-Girons, H.**

*Atheris chlorechis*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—*A. hispida*, sp. nov., (p. 138), type locality: Lutunguru, Kivu, Belgian

Congo; paratypes from Belgian Congo; Rev. Zool. Bot. afr. **81**, 1955, **Laurent, R. F. (2).**—*A. nitschii*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—*A. n. nitschei*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**—*A. squamigera*, Of Portuguese East Africa, habit notes, geographic range, coloured figure, **Frade, F. & Manaças, S.**—On venom of Belgian Congo specimens, **Neujean, G.**

*Atractaspis bibronii*, Of S. Africa, general notes, food, fig. of head, **Rose, W. (1).**—*A. bibronii bibronii*, Of S.W. Africa, **Mertens, R. (3).**—*A. b. rostrata*, From Tanganyika Territory, including an albino, and note on venom, **Loveridge, A. (1).**

*Atractaspis corpulenta corpulenta*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Atractaspis duerderi*, Of S. Africa, **Rose, W. (1).**

*Atractaspis irregularis*, From Anglo-Egyptian Sudan, **Loveridge, A. (2).**—*A. irregularis irregularis*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte & Roy.**—*A. i. conradsi*, From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de.**

*Atractaspis microlepidota*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2).**—Of Migiurtinia, Somaliland, **Scortecci, G.**—*A. m. microlepidota*, From Anglo-Egyptian Sudan, **Loveridge, A. (2).**

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*Bitis atropos*, Of S. Africa, general notes, photograph, **Rose, W. (1).**

*Bitis caudalis*, Of S. Africa, general notes, photograph, **Rose, W. (1)**.—*B. caudalis caudalis*, figure, Of S.W. Africa, **Mertens, R. (3)**.

*Bitis cornuta*, Of S. Africa, general notes, photograph, **Rose, W. (1)**.—*B. cornuta cornuta*, Figure, of S.W. Africa, **Mertens, R. (3)**.

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*Bothrops*, Of Paraguay, habits, venom, etc., **Gatti, C.**—On the dentition, evolution, species examined, *cotiara*, *insularis*, *jararacussu*, *atrox*, *alternata*, *lanceolata*, **Anthony, J.**

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*Bothrops atrox*, On use of tail as a fascinator organ, **Hediger, H.**—From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**—On Butantan specimens, **Mertens, R. (10)**.—Comparative study on venom coagulants, **Quivy, D. (2)**.—*B. a. atrox*, Of Trinidad, on feeding habits, **Wehekind, L.**

*Bothrops cotiara*, On Butantan specimens, **Mertens, R. (10)**.

*Bothrops dunni*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**

*Bothrops insularis*, Intersexuality in an isolated population on Queimada Grande Id., 40 miles S. of Santos, Brazil, **Hoge, A., Belluomini, H. & Schreiber, G.**—Of Queimada Grande Id., Brazil, photog., **Mertens, R. (11)**.

*Bothrops jararaca*, On riboflavin content of venom, **Barrio, A. (1)**.—Of Paraguay, habits, etc., **Gatti, C.**—Endocrinology of reproduction, **Kehl, R. & Combescot, C.**—On Butantan specimens, photograph, **Mertens, R. (10)**.—Of Queimada Grande and Pequena Ids., Brazil, **Mertens, R. (11)**.—Paper electrophoretic and enzymatic studies on blood, serum, venom and liver, **Ribeiro, Mitidieri, & Villela**.

*Bothrops jararacussu*, On riboflavin content of venom, **Barrio, A. (1)**.—Of Paraguay, Habits, etc., **Gatti, C.**—On Butantan specimens, **Mertens, R. (10)**.

*Bothrops neuwiedii*, On riboflavin content of venom, **Barrio, A. (1)**.—On Butantan specimens, **Mertens, R. (10)**.—*B. neuwiedii meridionalis*, Of Paraguay, habits, etc., **Gatti, C.**

*Bothrops schlegeli*, Obtained from banana shipment, photograph, **Oliver, J. A. (4)**.

*Causus dephillippii*, Of S. Africa, general notes, **Rose, W. (1)**.—*C. lichtensteinii*, First published record for Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—From Mutsora region, Kivu Nord, Albert National Park, **Witte, G. F. de**.—*C. lineatus*, sp. nov., (p. 136), type locality, Station d'études de la Seram, plateau des Kundelungu, Terr. de Kasenga, Haut Katanga, Belgian Congo, paratypes from Belgian Congo, **Rev. Zool. Bot. afr. 51, 1955, Laurent, R. F. (2)**.—*C. resimus*, From Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—*C. rhombeatus*, Of Nimba reserve, French Guinea, **Angel, Guibé, Lamotte &**



Roy.—On the hemipenes, figd., **Domergue, C. (1)**.—Of Portuguese East Africa, habit notes, geographic range, coloured figure, **Frade, F. & Manaças, S.**—Of Angola, **Hellmich, W. (1)**.—Of Sierra Leone, some habit notes, **Lester, J. W.**—From Tanganyika Territory, with stomach content notes, **Loveridge, A. (1)**.—From Anglo-Egyptian Sudan, **Loveridge, A. (2)**.—From Tanganyika T., **Mertens, R. (9)**.—Of S. Africa, general notes, photograph, fig. of head, **Rose, W. (1)**.

*Cerastes*, Comparative study on venom coagulant, **Quivy, D. (2)**.—*C. cerastes*, On the hemipenes, figd., **Domergue, C. (1)**.—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—*C. vipera*, On the hemipenes, figd., **Domergue, C. (1)**.

*Crotalus* Linn., 1758, male gender to be attributed, **Direction 30**—*Crotalus*, On the dentition, evolution, species examined, *terrificus*, *durissus*, *horridus*, *adamanteus*, **Anthony, J.**—Theory that colour difference in venom has taxonomic and phylogenetic significance in relation to geographic origin, **Barrio, A. (1)**.

*Crotalus adamanteus*, On subnormal health condition in wild specimen, **Kaufeld, C. F.**—Of Florida, **Menne, H. A. L. (2)**.—On colour changes, (metachrosis), **Neill, W. J. & Allen, E. R.**—14 years, 9 months in captivity, **Perkins, C. B.**—Natural history notes, **Sochurek, E. (2)**.

*Crotalus atrox* B. & G. 1853 is placed on official list as oldest specific name available for the Western Diamond Rattlesnake, **Opinion 365**.—*C. atrox*, From Mexico, **Chrapiwy, P. S. & Fugler, C. M.**—On arboreal habits, **Cunningham, J. D. (2)**.—From N. W. Texas, with food note, **Fouquette, M. J. & Lindsay, M. L.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—Motion picture photographs of strike, **Lester, H. M.**—On colour changing (metachrosis), **Neill, W. J. & Allen, E. R.**—18 years, 7 months in captivity, **Perkins, C. B.**—Natural history notes, **Sochurek, E. (2)**.—From Sonora, Mexico, **Zweifel, R. G. & Norris, K. S.**

*Crotalus basiliscus basiliscus*, 10 years 1 month in captivity, **Perkins, C. B.**—From Costa Rica Village, Sinaloa,

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*Crotalus cerastes*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—Photographs and explanation of locomotion, **Riper, W. van (2)**.—*C. cerastes*, *c. laterorepens*, On colour changing (metachrosis), **Neill, W. J. & Allen, E. R.**—*C. c. laterorepens*, On arboreal habits in S. California, **Cunningham, J. D. (2)**.—From Baja California, **Murray, K. F.**—12 years, 8 months in captivity, **Perkins, C. B.**

*Crotalus cinereus*, On suppression of specific name *cinereus* (*Crotalus cinereus* Le Conte 1852) and *atrox* (*Crotalus atrox* B. & G. 1853) is placed on official list of specific names in Zoology as oldest name available for the Western Diamond Rattlesnake, **Opinion 365**.

*Crotalus concolor* Woodbury 1929 is placed on official list of specific zoological names as name for the Yellow Rattlesnake of the Colorado River Basin, **Opinion 339**.

*Crotalus durissus*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P. S.**—*C. d. durissus*, 12 years in captivity, **Perkins, C. B.**—*C. d. terrificus*, On Butantan specimens, **Mertens, R. (10)**.—*Crotalus durissus* var. *concolor* (nom. nud.) is a rejected and invalid specific name; and includes *concolor* Garman, *concolor* Notestein; *concolor* Gloyd 1940, **Opinion 339**.

*Crotalus enyo*, From Baja California, (First record from Magdalena Id.), **Murray, K. F.**

*Crotalus exsul*, From Baja California, (Cedros Id.), **Murray, K. F.**

*Crotalus horridus*, Observations on activities and habits, **Carmichael, E. B.**—On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—Of Illinois, natural history notes, photograph, **Farmalee, P. W.**—*C. horridus horridus*, Discussion on E. Tyson's (1683→) description of the anatomy, with extensive bibliography, **Ahrenfeldt, R. H.**—On occurrence in Michigan in 1904, **Atwood, W. H.**—On subnormal health condition in wild specimen, **Kaufeld, C. F.**—Ranges in Canada, map, **Logier, E. B. S. & Toner, G. C.**—15 years 7 months in captivity, **Perkins, C. B.**—Natural history notes, **Sochurek,**

**E. (2).**—Note on litter of 10, **Triplehorn, C. A.**—*C. h. atricaudatus*, On locality records in Dismal Swamp area, Virginia, **Martin, J. R. & Wood, J. T.**—Of Florida, **Menne, H. A. L. (2).**—Food checked at Fort Benning, Georgia consisted of mammals, lizards, birds, **Hamilton, W. J., Jr. & Pollack, J. A.**—From Mississippi, **Smith, P. W. & List, J. C.**—Natural history notes, **Sochurek, E. (2).**

*Crotalus lepidus*, From S.W. Tamaulipas, Mexico, new state record, **Martin, P.S.**—*C. l. lepidus*, On confirmation of presence in Real County, Texas, and on food habits, **Conant, R. (2).**

*Crotalus lugubris* var. *multimaculata*, On suppression of *multimaculata* Jan. 1863, and *polysticta* (*Caudisona polysticta* Cope 1865), is placed on official list of specific names in zoology as oldest available name for the Mexican Lance Headed Rattlesnake, **Opinion 366.**

*Crotalus mitchelli mitchelli*, From Baja California, **Murray, K. F.**—*C. m. pyrrhus*, 11 years, 9 months in captivity, **Perkins, C. B.**

*Crotalus molossus molossus*, From Mexico, **Chrapliwy, P. S. & Fugler, C. M.**

*Crotalus polysticta* (*Caudisona polysticta* Cope 1865) is placed on official list as oldest available specific name for the Mexican Lance headed Rattlesnake, **Opinion 366.**

*Crotalus pricei pricei*, From Mexico, Durango, 7 mls. S.W. Las Adjuntas, 8900 ft., range extended 70 mls. S.W., **Chrapliwy, P. S. & Fugler, C. M.**

*Crotalus ruber*, On males fighting, photographs, **Hediger, H.**—*C. r. ruber*, Study on serum protein, **Cohen, E.**—13 years, 4 months in captivity, **Perkins, C. B.**—*C. r. lucasensis*; *r. ruber*, From Baja California; includes observations on evidence of intergradation, **Murray, K. F.**

†*Crotalus scutulatus*, In Pleistocene from Municipal de Texuixguia, Zumpango Dist., Mexico, Kilo 61 del Gran Canal, **Brattstrom, B. H. (3).**

*Crotalus terrificus*, Theory on venom colour has phylogenetic and taxonomic significance, **Barrio, A.**—On venom inhibitors, **Barrio, A. (1).**—*C. terrificus terrificus*, On electrophoretic components of venom, **Barrio, A. (2).**—On inhala-

tory allergic through constant handling of dried venom, **Barrio, A. (3).**—On neuromuscular action of venom, **Barrio, A. & Vital Brazil, O.**—Notes on venom effect of Brazil and Argentine specimens, **Brazil, O. V.**—Of Paraguay, habits, etc., **Gatti, C.**

*Crotalus tigris*, From Sonora, Mexico **Zweifel, R. G. & Norris, K. S.**

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North slope of mountains south of Higa, S.E. Kume Shima, Okinawa Group, Riu Kiu Islands, Bull. Chicago Acad. Sci. 10, 8, 1953, p. 123, figs., **Gloyd, H. K. (2)**.—*T. monticola*, *T. popeorum*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat**.—*T. schlegelii*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—*T. sumatranus*, Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat**.—*T. trigonocephalus*, Of Ceylon, coloured plate, habits, **Deraniyagala, P. E. P.**—*T. wagleri*, On adaptive and phylogenetic significance of vertebral form, **Johnson, R. G. (2)**.—Of Kuala Lumpur, habitat and numbers, **Lim Boo-Liat**.

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